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# BLUE BOOK

... OF ...

# GARDENING



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## VISIT OUR NURSERY



ATTENDING PLANTERS are cordially invited to visit and inspect our nurseries and growing grounds at 49th and Main Streets, where a complete and varied assortment of ornamental trees and shrubs, vines, roses, palms, flowering and vegetable plants, in all stages of growth, are on display and ready for you to plant.

Persons not familiar with the growth and habits of the many different varieties of ornamental trees and shrubs will find it a pleasure and an education to spend a few hours in our nursery and greenhouses. Competent and courteous attendants will meet your pleasure. Our prices are remarkably low considering the quality of stock offered.



# MONTHLY GARDEN OPERATIONS

A Calendar in brief, telling what to plant, how to plant and where for each month in the year; detailed instructions in body of catalog

**WINSEL-GIBBS SEED COMPANY**

Store: 243 South Main Street  
Nursery: 49th and Main Street

## January

**Fruit and Shade Trees.** January is the best month for planting fruit trees, especially Peaches, Plums, Apricots, Almonds, Apples, Pears, Figs, Persimmons, Walnuts, etc. Most of these trees begin to grow out in February and better results are attained if transplanted when perfectly dormant.

Plant Rose Bushes now.

The same applies to berry plants, such as Dewberries, Gooseberries, Blackberries, Loganberries, Strawberries and Raspberries, as well as Grapevines and Currants. Also set out this month Rhubarb, Asparagus and Horseradish roots.

Also plant deciduous ornamentals, such as Umbrella trees, Maples, Elms, Locusts, Sycamores, Planes, Willows, and deciduous shrubs.

January is the best time to prune deciduous trees and shrubs, giving the earth around them a thorough plowing or spading.

**Lawns.** In the vicinity of Los Angeles and, in fact, all over Southern California, all lawns are more or less infested with Devil Grass or Wire Grass. This gives a white color to the lawns, and January is the best time of the year to get ahead of these undesirable weeds, while they are not making any growth. After experimenting considerably in this way with lawns, we find that the following is the cheapest and easiest way: First mow the lawn just as close as the lawn mower will cut it, and then get enough sandy loam mixed with fertilizer to give the lawn a coat about half an inch thick all over, then sow the seed of White Clover and rake in well. White Clover will grow in cold as well as warm weather, and if enough of this seed is used, the Clover will have possession of the ground, and make a good showing all through the summer, while it will also hold down the Devil Grass and give the old lawn a bright green appearance. This operation has to be done over every year, but the cost is small in comparison with spading up the old lawn and picking out every root of the Devil Grass, which will come back anyway, if the least particle of it is left in the ground, or if any bare spots come into the lawn, as this is the natural sod of Southern California, and it will invariably come up anywhere that water is used in abundance.

**Vegetable Garden.** Cabbage, Cauliflower, Beets, Carrots, Chicory, Radish, Parsnip, Salsify and Lettuce can be sown. The roots of Rhubarb, Horseradish and Asparagus can be planted. In the foothills and other sheltered places, potatoes can be set out. Tomatoes, Peppers, Cucumbers and Eggplant can be sown in hot beds for transplanting next month. These beds should be covered with sashes and cloth frames at night.

**Flower Garden.** To get branching Asters with large flowers, they should be sown this month. Other hardy annual and perennials can be sown to advantage this month, such as Cosmos, Coreopsis, Candytuft, Centaurea, Poppies, Scabiosa, Salpiglossis, Phlox, Mignonette, Mari-gold, Gaillardia, Forget-me-not, Eschscholtzia and all varieties of Poppies, Daisies and Columbine. Hollyhock, Sweet William, started from seed last year, can be set out in beds about the first of the year, as they will make a good showing for several months. Plant the bulbs of Gladiolus, Narcissus and the few remaining bulbs of Hyacinths, Tulips, Anemones and Ranunculus.

## February

**Fruit Trees.** The time of planting deciduous trees in Southern California varies considerably from year to year, according to the weather. Some seasons one can manage to set out these deciduous trees in January and operations are sometimes delayed till February. When this is the case it is advisable to do the planting of these trees as early as possible in February because the early varieties of peaches, plums and grape vines are beginning to come in sap about the middle of that month.

February is the month to begin to plant oranges, lemons, grapefruit, guavas and alligator pears.

**Fruit Trees.** Set out Oranges, Lemons, Grapefruit, Olives, Loquats and Guavas and also Alligator Pears. Some late varieties of Peaches and Apricots can still be set out this month.

**Vegetable Garden.** The first plantings of early potatoes can be done to advantage in February, although they will be slow in starting as the ground at this time of the year is still a little cold. Therefore, we would advise cutting the potatoes and spreading them out in a shed for about two weeks before planting. If this is done, the potatoes start much quicker. The cuts being healed over, the potatoes are not as liable to rot, especially if there are heavy rains.

If the eyes of the potatoes are not well developed, spread the tubers on top of the ground without cutting them and cover them with straw and sprinkle them occasionally.

Rhubarb, Horseradish roots and Onion sets are planted. Sow Peas, Beets, Lettuce, Turnips, Carrots, Radishes and Spinach.

**Flower Garden.** Amaryllis, Agapanthus, Cannas, Dahlias, Caladium and Tuberose can be planted this month. Gladiolus from now on, planting every month to give a succession of flowers. Pansies, Stocks, Verbenas and Salvia can be transplanted from seed beds in boxes or in the open ground. Plant Carnations, Rose bushes and all deciduous ornamental trees and plants.

## March

**Vegetable Garden.** Eggplant, Peppers, Squash, Cucumbers and other tender plants that have been started in a hot bed the month before may be set out in the open in March. Another sowing of the same vegetables can be made for a succession of crops. Squash, Sweet Corn and Beans are planted in the average locations around Los Angeles; in fact, all kinds of vegetables may be set out during March. Keep a supply of Tobacco Dust, Sulphur and Whale Oil Soap on hand to fight the insects that always appear on Melons, Cucumbers and Squash when they have two or three leaves.

**Flower Garden.** The following seeds may be sown this month: Ageratum, Coxcomb, Balsam, Zinnia, Snap Dragon and other summer flowering plants. Pot bulbs of Gloxinia, Gesneria, Tuberous Begonias and fancy Caladium.

**Trees.** Orange, Lemon, Grapefruit, Loquats, Guavas, Palms and all other evergreen trees do better if planted now than if planted earlier. The frequent rains that we get during this month help the little trees wonderfully. They will continue to grow all through the summer with



very little irrigation, if they get a good start early in the spring.

### April

**Flower Garden.** April is the month in which to set out plants for summer flowering, and especially the following: Asters, Pentstemons, Daisies, Shasta Daisies, Pansies, Chrysanthemums, Salvia, Coleus, Tuberoses, Cannas and Elephant Ears. Sow annuals of all kinds, especially Zinnia, Balsam and Snap Dragon; these three varieties are especially showy and do well during the heat of the summer.

**Vegetable Garden.** Early Rose and Burbank potatoes are planted this month. Melons, Squash, Cucumbers and Sweet Corn are sown. Quite often we have frequent rains in April, and under such conditions it is advisable to plant the seeds of Melons, Cucumbers, and Squash very shallow, as these seeds rot early in the ground if it is cold and wet. A great deal of seed of these vegetables is ruined every year on account of its being planted too deep, and when the conditions are not right, these seeds simply rot in the ground and do not germinate.

**Trees.** Trees of the evergreen kind, such as Oranges, Lemons and Loquats, may be planted to very good advantage in April. The ground begins to get warmer, and these trees take root more quickly than when planted in the previous months. All deciduous trees should be set out by this time, and care taken that the soil is kept in good condition around them.

**Lawns.** Lawns that have not received their annual top dressing of loam or manure should be attended to this month. Our Pulverized Sheep Manure is recommended. It costs less and is easiest to apply and will not bring the weeds that come up out of the yard manure that is not well rotted.

### May

**Vegetable Garden.** Sow Peas, Sweet Corn, Squash, Pumpkin, Cucumbers, Okra, Beets, Carrots, Lettuce, Radish, Turnips, Parsley and Spinach. Plant Onion sets, Cabbage, Sweet Potatoes and Tomato plants, Asparagus, Horseradish and Rhubarb roots.

**Flower Garden.** Sow Primula, Calceolaria in seed beds or frames and plant up to this time. Chrysanthemum plants that are well rooted by this time are planted in the open. All other summer flowering plants, such as Petunia, Balsam and Zinnia, take the place of winter flowering bulbs, which are stored away in a cool place for the next season. The planting of Carpet Beds of Coleus, Iresine and Acheranthus still goes on this month. Dahlia, Hollyhock, Amaryllis, Agapanthus and Canna bulbs will bloom all summer if planted now. Care should be taken to have the ground manured heavily with bone meal. These plants should get plenty of water, as they must be kept growing vigorously in order to have a profusion of flowers during the summer.

### June

**Vegetable Garden.** Sow Beans and Cabbage for late crop, Sweet Corn, Cress, Cucumbers, Okra, Muskmelon, Peas, Parsnips; plant Eggplant, Sweet Potatoes, Horseradish and Rhubarb roots.

Keep the soil well cultivated and hoed in order that the crops will stand the heat of the coming summer.

**Flower Garden.** The last plants of Chrysanthemums and Asters are set out the first of this month in order to have the plants well established before the warm weather sets in. For summer beds and borders, plant Vernon Begonias, Salvia, Verbena, Petunia, Pentstemons, Marguerites, Geraniums and Carnations. Our roses established in pots since January are in bloom and can be transplanted with perfect safety. The roses will keep right on blooming if transplanting is done with care, and will furnish flowers in the season of the year when they are very much in demand. Centaurea-imperialis and Centaurea

Margarite sown this month will come in season when they are highly appreciated.

### July

**Vegetable Garden.** Sow Casaba Melons, Squash, Cabbage, Lima and Green Beans, Cauliflower and Tomato for winter crops. Lettuce, Radishes, Onions, Beets and other small truck for the home garden can be successfully sown this month, providing the seeds are covered very lightly with old burlap or mulch-manure. This prevents the soil from forming a hard crust in the middle of the day. Quantities of seed are lost every summer by neglecting to mulch the ground after seeding. These small seedlings are very tender. When just sprouting they burn very quickly when they strike the hard burning crust that is over them. This is a matter of great importance, and with a little extra care one is able to have nice, crisp Lettuce and other vegetables in the heat of summer, when they are greatly appreciated.

**Flower Garden.** Sow Pansies and Stocks for winter blooming. Chrysanthemums have to be watched very closely from now on. All suckers should be cut off as soon as they appear, large side branches removed and only a limited number of buds left on each plant so as to throw all the strength of the plant on the few remaining buds. Green Aphis and other insects will appear, but can be easily removed by the use of Tobacco Dust. Cut back Rose bushes and keep them pretty dry. This will give them a rest and enable them to bloom heavily next winter. Eucalyptus, Acacia and other ornamental stock may be sown this month.

### August

**Vegetable Garden.** The first sowing of tomatoes for winter crops is done this month. Earliana is considered the best variety for that purpose. August is the month for planting the second crop of potatoes. Burbank's are good varieties.

Cabbage, Cauliflower, Celery and Onions are sown for main crop. Yorkshire Hero Green Peas are sown by market gardeners this month.

**Flower Garden.** Sow Pansies and Stocks in well prepared seed beds out of doors; have soil light and sandy, well pulverized and leveled before seeding. Cover the seed very lightly and lay burlap right on the ground to keep the soil from baking and to keep it always moist. As soon as the seeds are up, take the burlap off and shade the ground with a lath or cloth frame for a few days. Seeds sown in boxes in greenhouses come up all right, but often they damp off and cause a great loss of time and money. Carnations, Salvia, Chinese Pinks, Verbena, Petunia, etc., may be sown in the same way. Primula and Cineraria seeds have to be sown in a box filled with very fine screened leafmold and sand, the seeds themselves are barely covered. The box is then covered with a pane of glass. Great care must be taken to wipe off the moisture on the pane of glass, and also to get the little plants used to the open air by gradually taking off the glass. Primula and Cineraria are generally sown in a greenhouse or cold frame. The bulbs of Oxalis are planted this month.

### September

**Vegetable Garden.** Plant Onion sets, Yorkshire Hero Peas, Canadian Wonder and Ventura Wax Beans, Cabbage, Cauliflower. All these vegetable seeds sown this month will come in the end of December when vegetables are at a high price.

**Flower Garden.** In September, place your order for fall bulbs that they may be delivered immediately upon their arrival from Europe, which will be about the first of October. Plant at this time the bulbs of Freesias and Watsonias. For Fall and Winter blooming sow the following seeds: Pansies, Stocks, Cosmos, Coreopsis, Centaurea, Salpiglossis, Cineraria and the Christmas and Win-

ter flowering varieties of Sweet Peas, such as the Spencer early flowering. If these are sown in September they will start flowering in December and continue flowering all Winter. Transplant the Pansies and Stocks sown in August. Pot Cineraria and Primula. Roses that are expected to give flowers in winter should be watered carefully in September and given some blood meal or other good fertilizer. Acacia, Eucalyptus, Pine and Cypress seeds are sown during this month.

### October

**Vegetable Garden.** Seeds of Yorkshire Hero Peas may be planted now, and if the Winter is not too severe will bring very nice crops in January. Vetches and Field Peas are sown this month and turned under for green fertilizer in the Spring. Sow the seed of Lettuce, Spinach, Radishes and Onions, and if a light frame can be used for covering, Tomatoes and Peppers may be sown in beds so as to furnish plants as soon as the cold weather dispels.

**Flower Garden.** Plant bulbs of Hyacinths, Tulips, Narcissus, Easter Lilies, St. Joseph Lily, Ranunculus, Anemones, Tritonia, Sparaxis and Freesias. More Pansies and Stocks may be sown this month. Violets, Stock and Pansy plants are put in the places where they are expected to bloom.

### November

**Vegetable Garden.** Sow Peas, Windsor Beans, Beets, Carrots, Cabbage, Swiss Chard, Mustard, Kale, Lettuce, Parsnip, Parsley, Onion, Leek, Radish, Spinach and Turnip. The plants of the following vegetables can now be set out: Cabbage, Cauliflower, Chard, Kale, Parsley, Celery, also Onion sets and Rhubarb roots. The hot beds for Peppers and Tomato plants should be made ready this

month, especially the sweet Peppers for early market should be sown this month.

**Lawns.** November is a good month to make a new lawn or to patch up the old one.

Take advantage of the heat that still remains in the ground at this time, which will help you to get an even stand from the lawn seed.

**Flower Garden.** Set out at this time the following plants: Pansies, Stocks, Aquilegia (Columbine), Canterbury Bells, Coreopsis, Rehmannia, Carnations, English Daisies, Foxglove, Gazania, Perennial Larkspur, Hollyhocks, Marguerites both the single and double, Oriental Poppies, Pentstemons, Petunias, Snapdragons, Violets and Verbenas. Sweet Peas for Spring flowering should be sown this month as well as the following seeds: Poppies, Sweet Alyssum, Snapdragon, Daisies, Centaurea, Cosmos, Candytuft, Calendula, Dianthus, Myosotis, Gypsophila, Gaillardia, Larkspur, Linum Rubrum, Phlox, Mignonette, Salpiglossis. All the bulbs mentioned in our October Calendar can still be planted in November.

### December

**Vegetable Garden.** Sow the seed of Beets, Carrots, Cabbage, Cauliflower, Lettuce, Parsnips, Parsley, Salsify, Turnips, Radishes, Peas, and the roots of Asparagus, Rhubarb and Strawberries are planted. Tomatoes, Peppers and Eggplants are started in hot beds for early crops.

**Flower Garden.** Set out all the plants mentioned in our November Calendar with the exception of the Petunias. The planting of Holland bulbs can still be done. This is the best time to set out the bulbs of the Lilium Auratum, Lilium Rubrum, Lilium Candidum, Easter Lilies, Iris of all varieties and the Pips of the Lily of the Valley.

## Useful Information for Intending Planters

### Seed Required to Sow an Acre of Ground

	Lbs. to the Acre		Lbs. to the Acre		Lbs. to the Acre
Alfalfa .....	25	Cucumber—hills.....	1 to 2	Melon, Musk—hills .....	2
Barley—broadcast .....	100	Flax (when wanted for seed).....	30	Oats—broadcast .....	80
Beans, Dwarf or Bush—hills.....	40	Flax (when wanted for fibre).....	50	Onions, for Dry Bulbs—drills.....	4
Beans, Dwarf or Bush—drills.....	80	Grass, Bermuda .....	10	Onion, Bottom Sets.....	1 lb. to 75 ft. of row
Beans, Tall or Pole—hills.....	25	Grass, Crested Dogtail.....	25	Parsnip—drills .....	5
Beet, Garden.....	6	Grass, Kentucky Blue (for pasture).....	50	Peas—drills .....	50 to 80
Beet, Sugar .....	6	Grass, Kentucky Blue (for lawns).....	150	Peas—broadcast .....	150
Beet, Mangel Wurzel.....	6	Grass, Orchard .....	40	Potatoes—hills .....	500 to 600
Broom Corn—drills.....	12	Grass, Perennial or Australian Rye		Pumpkin—hills .....	3
Buckwheat—broadcast .....	45	(for meadow) .....	40	Radish—drills .....	12
Cabbage—in beds to cover an acre after		Grass, Perennial or Australian Rye		Rye—broadcast .....	100
transplanting .....	¼ to ½	(for lawn) .....	75	Spinach—drills .....	12
Carrot—drills .....	3	Grass, Italian Rye.....	30	Squash, Bush Varieties—hills.....	4
Clover, Red, alone—broadcast.....	20	Grass, Red Top .....	30	Squash, Running Varieties—hills.....	3
Clover, White, alone—broadcast.....	20	Grass, Timothy .....	20	Tomato—in beds to transplant.....	½
Clover, Alsike—broadcast .....	20	Grass, Hungarian .....	25	Turnip and Rutabaga—drills.....	2
Corn, Sweet or Field—hills.....	15	Millet .....	25	Turnip and Rutabaga—broadcast.....	3 to 4
Corn, to cut green for fodder—drills or		Hemp—broadcast .....	40 to 50	Vetches—broadcast .....	100
broadcast .....	125	Melon, Water—hills .....	2 to 3	Wheat—broadcast .....	100
				Wheat—drills .....	75

### Sowing Seed Table for the Garden

Quantity required to produce a given number of plants or sow a given quantity of ground

Artichoke.....	1 oz. to 500 plants	Cucumber.....	1 oz. to 100 hills	Parsnip.....	1 oz. to 100 ft. of drill
Asparagus.....	1 oz. to 60 ft. of drills, 500 plants	Egg Plant.....	1 oz. to 2000 plants	Peas.....	1 lb. to 50 ft. of drill
Beans, Dwarf.....	1 lb. to 50 ft. of drill	Endive.....	1 oz. to 3000 plants	Pepper.....	1 oz. to 1000 plants
Beans, Tall.....	1 lb. to 75 hills	Kale.....	1 oz. to 2000 plants	Pumpkin.....	1 oz. to 25 hills
Beet.....	1 oz. to 50 ft. of drill	Kohl Rabi.....	1 oz. to 2000 plants	Radish.....	1 oz. to 50 ft. of drill
Broccoli.....	1 oz. to 2000 plants	Leek.....	1 oz. to 100 ft. of drill	Salsify.....	1 oz. to 50 ft. of drill
Brussels Sprouts.....	1 oz. to 2000 plants	Lettuce.....	1 oz. to 5000 plants	Sage.....	1 oz. to 100 ft. of drill
Cabbage.....	1 oz. to 2000 plants	Melon, Water.....	1 oz. to 30 hills	Spinach.....	1 oz. to 50 ft. of drill
Carrot.....	1 oz. to 150 ft. of drill	Melon, Musk.....	1 oz. to 100 hills	Squash, Early.....	1 oz. to 50 hills
Cauliflower.....	1 oz. to 2000 plants	Okra.....	1 oz. to 50 ft. of drill	Squash, Winter.....	1 oz. to 15 hills
Celery.....	1 oz. to 5000 plants	Onion Seed.....	1 oz. to 100 ft. of drill	Tomato.....	1 oz. to 3000 plants
Chicory.....	1 oz. to 100 ft. of drill	Onion, Top Sets.....	1 lb. to 60 ft. of row	Tobacco.....	1 oz. to 10,000 plants
Corn.....	1 lb. to 150 hills	Onions, for Bottom Sets.....	30	Turnip, Early.....	1 oz. to 75 ft. of drill
Cress.....	1 oz. to 100 ft. of drill	Parsley.....	1 oz. to 100 ft. of drill	Turnip—Rutabaga.....	1 oz. to 100 ft. of drill



## Number of Plants in Length from 1 to 100 Feet Apart

Useful for planting hedges, windbreaks, shade trees, etc.

Distance Apart	No. per Mile	Distance Apart	No. per Mile	Distance Apart	No. per Mile	Distance Apart	No. per Mile
1 foot.....	5,280	8 feet.....	660	35 feet.....	151	70 feet.....	75
2 feet.....	2,640	9 feet.....	586	40 feet.....	132	75 feet.....	70
3 feet.....	1,760	10 feet.....	528	45 feet.....	117	80 feet.....	66
4 feet.....	1,320	15 feet.....	352	50 feet.....	105	85 feet.....	62
5 feet.....	1,056	20 feet.....	264	55 feet.....	96	90 feet.....	58
6 feet.....	880	25 feet.....	211	60 feet.....	88	95 feet.....	55
7 feet.....	754	30 feet.....	176	65 feet.....	81	100 feet.....	52

## Number of Trees or Plants to an Acre

Set at regular distance apart

Distance Apart	No. of Plants	Distance Apart	No. of Plants	Distance Apart	No. of Plants	Distance Apart	No. of Plants
3x4 inches.....	522,720	4x1 foot.....	10,890	6½x6½ feet.....	1,031	17x17 feet.....	150
4x4 inches.....	392,040	4x2 feet.....	5,445	7x7 feet.....	888	18x18 feet.....	131
6x6 inches.....	174,240	4x3 feet.....	3,630	8x8 feet.....	680	19x19 feet.....	120
1x1 foot.....	43,560	4x4 feet.....	2,722	9x9 feet.....	537	20x20 feet.....	108
1½x1½ feet.....	19,360	4½x4½ feet.....	2,150	10x10 feet.....	435	25x25 feet.....	69
2x1 foot.....	21,780	5x1 foot.....	8,712	11x11 feet.....	360	30x30 feet.....	48
2x2 feet.....	10,890	5x2 feet.....	4,356	12x12 feet.....	302	33x33 feet.....	40
2½x2½ feet.....	6,960	5x3 feet.....	2,904	13x13 feet.....	257	40x40 feet.....	27
3x1 foot.....	14,520	5x4 feet.....	2,178	14x14 feet.....	222	50x50 feet.....	17
3x2 feet.....	7,260	5x5 feet.....	1,742	15x15 feet.....	193	60x60 feet.....	12
3x3 feet.....	4,840	5½x5½ feet.....	1,440	16x16 feet.....	170	66x66 feet.....	10
3½x3½ feet.....	3,555	6x6 feet.....	1,200	16½x16½ feet.....	160		

## Directions for Making a Fine Lawn

The first thing is to have the soil well spaded up and pulverized. On places where the soil has been filled in, or places where no crop of any kind has been grown for a number of years, it is advisable to spade up the ground, pulverize, rake and water regularly just as if the ground had been seeded. This will start the seeds of all weeds that have been dormant for years, only awaiting enough moisture to germinate. If Salt Grass or Devil Grass shows up, pull it out, every bit of it. It will save lots of work afterward. If the soil contains much Devil Grass, it will pay to cart off the whole surface down to about two feet, and haul good loam in its place. If only ordinary weeds come up, spade them under. Repeat the operation about three weeks afterward. This will bring the soil in fine condition and save much time and money spent on pulling up weeds. Use plenty of good seed. Blue Grass, one pound for every 200 square feet; Clover, one pound to every 200 square feet. If Blue Grass and Clover are used, it is advisable to go over the ground twice; once with Blue Grass and once with Clover. This is done in order to have the Blue Grass uniformly spread all over the surface. Rake the seed in well and cover very lightly with screened or pulverized sheep manure. Great care should be taken in selecting manure for lawns. Look up our page on "Fertilizers" for directions as to selection of fertilizers.

It has been a practice around Los Angeles for teamsters to go to any corral, screen the manure, load it up and sell it for lawn purposes. This accounts for so many lawns where more weeds than grass come up, and especially for lawns where Devil Grass predominates. Almost all the Alfalfa fields in this region have Devil Grass growing in them. The grass goes to seed about the time Alfalfa is high enough to cut; it is fed to cows and mixed with Alfalfa, and is in a state of perfect preservation when picked up with manure and put on the lawns. In places where the lawn is steep, burlap is used to good advantage to cover the ground after sowing. It not only prevents the surface of the ground from drying, but it keeps the seeds from getting washed out by the frequent waterings that have to be given in such places. Watering a new lawn must be done with great care. A fine nozzle should be used to apply the water and it should always be done in the morning or evening.

### Care of Lawns and What Seed to Use

It is just as essential to start a lawn right as to start a building right. A lawn must have the right foundation under it in order to last long, to stay clean of weeds and to keep its nice green color. The ground must be properly prepared and the right kind of fertilizer used, and above all, must be sown with **GOOD CLEAN SEED**. We have made many lawns around Los Angeles and can refer to many satisfied customers as to the results produced from having used our seeds and fertilizer. The finest lawns we have made have been those on which we used one-half pound of Kentucky Blue Grass and one-half pound of White Clover to over 200 square feet, and 100 pounds of Pulverized Sheep Manure to every 800 square feet. We can refer to the Calvary Cemetery at Whittier, the Inglewood Cemetery at Inglewood, Home of Peace Cemetery at Los Angeles, and numerous private places, as to the results of using our material for their lawns. Hundreds of pounds of our lawn seed were used by the Rodeo Land & Water Company at Beverly Hills for the spacious lawns of their great hotel. A visit to this place will convince you as to the quality of our lawn seed.

It is a custom of a great many public and large institutions to advertise for bids on lawn seeds without asking for samples. It is, of course, impossible for us to answer such requests for quotations, as low grade seeds will naturally be cheaper than the high grades, and we do not keep lawn seeds or any other seeds for competition purposes. We only aim to keep the best that can be produced. We cheerfully furnish samples of our lawn seeds at any time and by comparing the quality as well as the price, purchasers will find that we are right on both.

The prices of these seeds, being subject to market fluctuations, the quotations here given are for January 1st.

Kentucky Blue Grass. Used extensively for making lawns in Southern California. We take great pains in getting only the best seed on the market. Use one pound of seed for every 200 square feet. Price per pound, 35c. Price per sack lots on application.

Bent Grass *Agrostis Maritima*. Our seed is grown in Conquille Valley near Coos Bay. It is of the finest strain. Used for lawns and golf courses. Per pound, \$1.25.

White Dutch Clover. The demand for White Clover for lawns is becoming greater every day. Mixed with Blue Grass, it has a tendency to keep weeds out of the lawn; it also shelters the Blue Grass until it has made a sod and can stand the heat of the sun. Price per pound, 50c. Price for sack lots on application.

Lippia Repens is a creeping plant with a very small leaf. It bears

a profusion of tiny flowers which are white, slightly tinted with lavender, giving a gray effect. Sold in flats. One flat contains enough plants to cover a space 20 by 20 feet. Price \$2.00 per flat. We have a good supply of Lippia Repens at our nursery, and if in need of large quantities, will be glad to furnish prices accordingly.

Australian Rye Grass. Valuable for sodding dry places where Blue Grass and Clover will not thrive. Its roots being very penetrating, it gives permanency to steep inclines or rolling lawns. Is very much relished by all kinds of stock. Per pound, 35c. Price per sack lots on application.

Poa Trivialis. Also called Rough Stalked Meadow Grass. A very good grass for the shade. 75c per pound.





# WINSEL-GIBBS FLOWER *and* PLANT SEEDS

A general list comprising all the better known and popular varieties, together with the proven Novelties. For home beautification or commercial growing Winsel-Gibbs Seeds will produce a high percentage of perfect blooms, true to form and color, with a minimum of care and attention under normal conditions. Prices noted include postage to any part of United States.

*"Plant a Flower Garden"*

## Proper Planting and Culture of Annuals and Perennials

The following directions while given for Asters apply to most all annuals and perennial flowers. The time of sowing varies according to the different species and varieties, and we advise our customers to consult the Garden Calendar on the first pages of this book in order to plant these different flowers in the proper season. Asters, especially the branching varieties, are the leading annuals for Southern California. They come in bloom just before the Chrysanthemums, and at a time when flowers are very scarce. Owing to the fact that the cultivation of Asters is very simple, and also that the cut flowers retain their beauty for a considerable length of time, they are considered one of the most desirable of annuals for the smallest garden as well as the largest parks. Sow the seed in January, February or March in light sandy loam. Transplant as soon as the plants have four or five leaves. Never transplant them after the flower stems begin to show. They will not branch out nor produce good flowers if handled at that period. Asters like the full sunshine, a rich garden soil and plenty of irrigation and cultivation.

**SEEDING.** The soil in the seed flats should be composed of good quality of loam, mixed with sand and a small amount of old rotted sheep manure, the whole mixture to be screened through a half inch mesh. Fill the flat nearly full, then pack down firmly with a piece of board and sow the seed very thinly on this smooth surface. For a covering use very fine screened sand. Use a fine nose on your watering pot. Never use the hose on seedlings, regardless of the fine nozzle you may have. Set the flat out of doors in some old hotbed frame or sheltered location where the wind and sun will not dry it out. The cooler you can keep these little seedlings without exposing them to the frost, the stronger plants they will produce. As soon as they have three or four leaves, they should be transplanted 100 to a flat or in beds in the open especially arranged for this transplanting.

**FERTILIZING.** Asters are great feeders and respond to the use of fertilizers in a surprising way. The ground should be spaded very deep, and 100 pounds each of old rotted sheep manure and bone meal should be applied to each thousand square feet. It is a great mistake to use stable manure on Asters. Sometimes after weeks of labor and expense in raising these plants and setting them out in beds where stable manure has been used, one is greatly discouraged and disappointed to see the little plants die, one after another, and to find in pulling up these dead plants, that a little wire worm has hollowed out the collar of the plant and caused it to die. Stable manure produces this wire worm.

**PLANTING.** The planting, whether in beds or fields, should be done with great care. If possible, a transplanter should be used for this purpose so they can be taken out with as many of the little roots as possible from the flats or beds. Set the plants in the ground up to the first leaf. Press the ground tightly with the hands, and water immediately. A top dressing of sheep manure is given, and later on when the buds begin to appear, nitrate of soda should be applied and raked in immediately. This should be used at the rate of one pound to every four hundred square feet. Aster plants are tender, and greatly relished by snails and ground worms. Use El Rey Snail Poison freely, which will kill the snails.

**ABRONIA UMBELLATA** (Sand Verbena). Hardy annual. A trailing plant bearing umbels of verberna like rosy lilac blossoms. Package, 10c.

**ABUTILON** (Flowering Maple; Chinese Bell-flower). Half hardy perennial. The flowers are beautifully bell-shaped, and appear in white, yellow, rose and orange. Mixed colors. Package, 25c.

**ACHILLEA PTARMICA, THE PEARL** (Sneezewort; double white yarrow). One of the best hardy perennials; bears a profusion of small, double, white flowers during the entire season. Fine for cutting and cemetery decoration. Height, 2½ ft. Package, 15c.

**ACROCLINIUM.** Half hardy annual. These are "Immortelles" or Everlasting flowers; desirable for wreaths and winter bouquets. Grows about 1 ft. high. Per package, Double Mixed, 10c; Single Mixed, 10c; Double pink, 10c; Double White, 10c.

**ADONIS** (Flos Adonis; Pheasant's Eye). Hardy annual. Flowers crimson and small. Seed should be sown in the autumn. Height, 1 ft. Package, 10c.

**AGERATUM** (Floss Flower). Valuable for bedding, as it is literally covered with blossoms all summer. Sow the seed early in the spring, either in boxes to transplant, or outdoors, and thin to 4 to 6 inches. Hardy annual.

Blue Perfection. Deep blue. Height, 1 ft. Package, 10c.

Mexicanum (Imperial Dwarf Blue). Height, 1 ft. Flowers blue. Package, 10c.

Mexicanum (Imperial Dwarf White). Flowers white. Height, 8 inches. Package, 10c.

Little Dorritt. A perfect mass of blue flowers. Plant is 6 inches high. Package, 10c.

**AGROSTEMMA** (Rose of Heaven). Hardy perennial. This plant has silvery white leaves and red flowers, borne on long, slender stems. Flowers resemble a single pink. Height, 2 ft. Package, 10c.

**ALYSSUM.** A fragrant, hardy annual, having the odor of honey and bearing spikes of small white flowers, in great profusion throughout the summer and autumn.

Maritimum. (Common Sweet.) Very sweet honey fragrance. Height, 1 ft. Package, 10c; oz., 35c.

Compactum. (Carpet of Snow.) (Little Gem.) Pure white, very dwarf and sweet scented. The best white flowered border plant. Height, 4 inches. Package, 10c; oz., 75c.

Saxatile. (Rock Alyssum.) Hardy perennial. A yellowish sort 18 inches tall. Package, 10c.



Crego's Giant Asters

**AMARANTUS.** Hardy annuals grown especially for their brilliant foliage.

Amarantus Melancholicus. (Love Lies Bleeding.) Light yellowish green foliage; long, drooping crimson flower spikes. Height, 3 to 4 feet. Package, 10c.

Molten Fire. The top leaves are a fiery crimson, the lower ones maroon. Pkt., 15c.

Tricolor (Joseph's Coat). Plant 3 feet high, with brilliant leaves variegated, red, yellow, green, etc. Package, 10c.

**ANCHUSA CAPENSIS.** Hardy annual. A clear, bright blue flower with small white eye, resembling a forget-me-not but taller, larger and of brighter color. Height, 2 ft. Package, 10c.

Italica, Dropmore Variety. Hardy perennial. Flowers are of deepest gentian blue and are borne continuously. A good tall plant for the center of a bed. Height, 4 ft. Package, 15c.

**ANEMONE, SINGLE, GIANT DE CAEN.** Half hardy perennial. Cup shaped flowers in blue, red, and white. Bulbs of Anemones are unobtainable now but plants flower in ten months from seed. Package, 10c.

St. Brigid. Enormous semi double blooms, the size of tulips, in a great variety of striking colors. Package, 15c.

**ANTIRRHINUM.** See Snapdragon.

**AQUILEGIA.** See Columbine.

**ARCTOTIS GRANDIS** (African Lilac Daisy) Large, branching bushes, 2 ft. in height and breadth. Flowers are pure white on the surface and pale lilac below. Package, 10c.

**ARMERIA MARITIMA** (Sea Pink). A very pretty border plant with grass like foliage. Flowers rose pink, borne on 4 to 6 inch stems. Package, 10c.

**AUSTRALIAN PEA VINE** (Dolichos lignosus). Half hardy perennial. A rapid growing evergreen climbing perennial, flowering freely in clusters of rose pea-shaped flowers. For covering arbors, trellises, etc., this is extra fine. Package, 10c.



**ASPARAGUS.** Tender perennial. Seeds start slowly and should be soaked in warm water before sowing. Make a pillar climber where there is little frost.

**Plumosus robustus.** A tall asparagus fern, with delicate feathery foliage. Package, 10c; 100 seeds, 75c.

**Plumosus nanus.** A dwarf variety; very delicate and feathery. Package, 10c; 100 seeds, 75c.

**Sprengeri (Emerald Feather).** Feather leaved, with drooping branches. For hanging baskets. Per package, 10c; 100 seeds, 50c.

## ASTERS

### California Giants

We may also add, the flowers are much larger and more substantial than the Improved Crego, measuring 5 to 6 inches in diameter, and stand up well when shipped as cut flowers. Their immense size and beauty, as well as their long and sturdy stems make them very attractive when arranged in floral work, and they well deserve their name. Light Blue, Deep Rose Mixed. Package 25c.

**ASTER, NEW, AMERICAN BEAUTY.**

It is similar in growth to the Late Branching Aster but differs in that the blossoms are produced on longer and heavier stems. Some of these stems will measure over 2 feet in length. The flowers are produced in succession over a long period; they are very large, perfectly double and they come in all shades and colors. Lavender, Pink, Crimson, Purple, Blue, White, Rose. Package 15c.

**THE SUNSHINE IMPROVED ANEMONE-FLOWERED.** One of the most attractive novelties. The plants are sturdy and strong, throwing up long flower stalks, making wonderful cut flowers. Some of the flowers have twisted petals and some have quilled petals; all have a cushion center of tiny quills of a contrasting color which makes a flower look as if it were covered with snowflakes. The blue flowers are dotted with a paler blue and some in white, and the rose in a lighter shade of pink or white. Their delicate beauty is hard to describe. All colors. Pkt., 15c.

**SINGLE MARGUERITE ASTER.** Plants strong, vigorous and of handsome pyramidal habit, very free-blooming and produce their beautiful flowers on long, slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers. 15c.

**KING.** In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large. Package, 25c.

**GIANT BRANCHING COMET, or Ostrich Plume Aster.** This magnificent strain is without doubt the best of the late flowering Asters for our climate. They grow from 2 to 2½ feet high, and form strong, much branched bushy plants. The flowers are produced in large quantities, on long wiry stems, and are of immense size, often four or five inches across; they are of the most perfect form, with long, broad and curled petals. For cutting purposes this strain has no equal. We offer them in eight different colors: White, shell pink, lavender pink, rose, crimson, lavender, dark blue and royal purple. Each, per package, 15c. Mixed colors, package, 10c.

**MAMMOTH ASTERS. Twisted Petal Type.** Mammoth Asters have petals just a little broader than Crego's and less twisted. Their growth is fairly compact like the old Comet variety. They have fine large flowers, over 4 inches across and sometimes 5 inches, borne on long stems. They are entirely new and different from all of the other asters, and have a great charm in the delicacy of their flowers. Every garden needs some of these new asters. White; Shell Pink; Lavender; Rose; Purple; Mixed. Packages, 20c each.

**CREGO'S GIANT ASTERS.** No garden is complete without asters. Crego's are a giant, shaggy petaled kind, with very large flowers having long twisted petals. The stems are long and the variety is early and branching. Crego's asters are ex-

ceedingly popular, and this strain has exceptionally fine flowers. Crimson; Lavender; Purple; Rose-pink; Shell-pink; White. Six packages, 50c. Mixed, package, 10c. Separate colors, 15c package.

**SEMPLE'S, or Giant Branching.** The plant grows 1½ feet high and the same in width. The blossoms which are large and full petaled, are borne on long stems or branches. Comes into flower ten days after the other asters. The petals are straight and the flower is beautiful. Colors: Pink or rose, white, purple, lavender, crimson, Mary Semple (very light pink). Package, 15c; ½ oz., 50c; collection of six varieties, 50c.

**NEW ENGLAND PERENNIAL ASTER (Michaelmas Daisy).** Our splendid autumn flowering asters, greatly improved as to size. Height 4 feet. Blue, lilac and pink. Mixed, package, 15c.

**BALLOON VINE, or Love-in-a-Puff.** Climbing annual. Package, 10c; oz., 40c.

**BALSAM, or Lady's Slipper.** A tender annual, with brittle stems and foliage. Grows about a foot high. Flowers, both single and double, in bright colors and variations, are wax-like and growing close to the stem. Package, 10c.

**BALSAM APPLE or PEAR.** See Momordica.

**BELLIS PERENNIS (Double Daisy).** Hardy perennial. This giant daisy makes a fine border.

Mammoth Pink, White and Mixed. Package, 10c; ½ oz., 75c.

Lawn Daisy. Mixed. Package, 10c; ½ oz., 45c.

**BARTONIA AUREA (Golden Bartonia).** Hardy annual. A native of California. Bright yellow, single flowers, 2 inches across. Sow the seeds where the plants are to remain, since it does not transplant easily. Height 2 feet. Package, 10c.

**BORDER PINKS.** See *Dianthus plumarius*

**BROWALLIA.** Half hardy annual. Makes a fine bedding plant. Blooms profusely. The flowers are bright ultra marine blue, and also sky blue with white center. Mixed, package, 10c.

**BOSTON, OR JAPANESE IVY (Ampelopsis Veitchii).** The popular ivy which covers so many buildings. It clings to brick and wood without support. The leaves are heart shaped and are off the vine for only two months in the winter. Package, 10c.



Aster American Beauty



**BEGONIA.** Usually grown in the greenhouse. Some varieties are especially attractive on account of their foliage, but most varieties have exquisitely beautiful wax-like flowers, both single and double. The seed is very small and rather difficult to germinate and must be planted in boxes or pots indoors. It is also very expensive, some strains being worth more than their weight in gold.

**FIBROUS ROOTED VARIETY.** Fine for outdoor culture, having beautiful leaves and bearing clusters of small waxy flowers.

**Vernon.** Half hardy perennial. Deep red flowers and dark purple foliage; often used for borders and for bedding. Package, 25c.



*Begonia rubra*

**TUBEROUS ROOTED VARIETIES.** For greenhouse and pot culture, having large, beautiful flowers with four petals in brilliant colors. Many prefer to start bulbs in December and January.

**Double Mixed.** All the best varieties. Package, 50c.

**Single Mixed.** Finest large flowers; single varieties. Package, 50c.

**BRACHYCOME IBERIDIFOLIA** (Swan River Daisy). Hardy annual. Produces an abundance of pretty blue and white flowers. Height, 8 inches. Package, 30c.

**CALIFORNIA POPPY.** See *Eschscholtzia*.

**CALENDULA** (Pot Marigold). Very hardy annual, 1 foot high, blooming freely at any time of year, including winter, and for several months. Is of the easiest culture and is desirable for rather inferior soils, where less sturdy flowers do not thrive.

**Double Mixed.** A good mixture of eight to ten different shades of yellow, some clear colors and some shaded and striped. Package, 10c.

**Lemon King.** Large, very double, lemon flowers. Package, 15c.

**Meteor.** Yellow flowers, striped with orange. Package, 15c.

**Prince of Orange.** A fine deep orange, double. Package, 15c.

**CANARY-BIRD FLOWER** (*Tropaeolum Peregrinum*). A tender climbing annual of the nasturtium family. Blossoms have curiously wrinkled petals and are light yellow. Soak seed over night before planting. Package, 10c.

**CANDYTUFT** (*Iberis*). Very hardy, easy to grow, and very fragrant. The blossoms are borne on long spikes, and the newer varieties are quite large flowering and very fragrant. Valuable for bedding or massing and for cutting. Height 6 to 15 inches.

**Common Sweet Scented.** Small white flowers. Package, 10c; oz., 30c.

**Carmine.** Branching. Package, 10c.

**Lilac.** Branching. Package, 10c.

**Purple.** Branching. Package, 10c.

**White Rocket.** Long spikes and large flowers. Package, 10c.

**Giant Hyacinth Flowered** (Improved Empress). Very large heads and long spikes of white flowers. An improved strain of Giant Empress and excellent for cut flowers. Package, 10c.

**Mixture of All Colors.** Package, 10c.

**CALLIOPSIS.** Blossoms single and about 2 to 4 inches in diameter. Hardy annual.

**Atrosanguinea.** Dark maroon. Plant is tall and flowers are small. One of the old fashioned flowers. Package, 10c.

**Golden Wave.** A large flowering light yellow variety with maroon eye. Package, 10c; ½ oz., 25c.

**Bicolor Hydrida Semiplena.** Semi double flowers of garnet and yellow. The old fashioned small Coreopsis. Package, 10c.

**Mixed.** A gorgeous mixture of golden yellow, brown, maroon and other shades. Package, 10c.

**Lanceolata.** See Coreopsis.

**Tiger Star** (*C. nana compacta radiata*). Package, 10c.

**CANTERBURY BELLS.** A hardy biennial, blooming the second year from seed, or the first year if sown early. Easily grown and preferring rich, moist soil. Grows about 3 feet high and bears double and single varieties of blue, white, purple and deep pink flowers. Single, mixed, single white, single pink, single blue, double mixed. Each package, 10c.

**Carpathica** (Carpathian Harebell). Fine for rockeries, edges and beds. Blue and white bells. Height, 9 inches. Mixed, package, 15c.

**Cup-and-Saucer type.** In this variety the outer petal forms a brim like a saucer. Mixed, light blue, white, pink. Per package, 10c.

**Pyramidalis** (Chimney Bellflower). Perennial. Large bells on 6 foot spikes; blooms late. Blue, white, per package, 15c.



*Canna*

**CANNA.** Mixture of the popular varieties. Flowers red or yellow. All plants have large ornamental leaves and give a tropical effect. Bronze leaved, package, 10c; green leaved, package, 10c; mixed, package, 10c.

**JAPANESE BELLFLOWER** (*Platycodon grandiflora*). Perennial. A giant Bellflower growing 2 feet tall and covered all summer with large, steel blue flowers. Package, 25c.

**CASTOR OIL BEAN** (*Ricinus*). This has large leaves and a tropical appearance. All it requires to make it flourish is heat. It is a quick growing annual, 6 to 15 inches tall. Leaves are green or reddish. Mixtures of all varieties, per package, 10c.



*Carnation Marguerite*

**CARNATIONS.** Carnations may be had in all gardens. Sow the seed early in the year and transplant in March or April.

**Chabaud's Everblooming.** Earliest dwarf French type of perpetual blooming carnations, flowering in five to six months after seed is sown. The flowers are double. Mixed colors, package, 15c.

**Malmaison Giant.** Mixed colors. Package, 25c.

**Picotee.** Extra fine, double, mixed. White, edged with colors, or striped and splashed. Contains many rare sorts never seen at a florist's. Package, 25c.

**Giant Grenadin.** This is an extra fine double variety, far superior to the Marguerite carnation. It comes in red, white, yellow and pink. Package, 25c.

**Marguerite Carnation.** Mixed only. Package, 10c.

**COCKSCOMB** (*Celosia Cristata*). A half hardy annual, growing 6 to 8 inches high, bearing a wide, wavy blossom that resembles a cock's comb. In brilliant colors; fine for massing or border work.

**Dwarf Mixed.** Several shades of red and yellow. Package, 10c.

**Dwarf New Giant Empress.** A rich, crimson variety with dark foliage and very wide combs. Per package, 15c.





An old-fashioned Flower Garden

**FEATHERED COCKSCOMB** (*Celosia Plumosa*). The plumes are splendid and 2 to 3 feet tall. This strain is fine; colors bright red and bright yellow.

**Magnificent** (Thompson's). A new variety, superior to the older sorts, bearing grand spikes; flowers in midsummer. Mixed. Package, 15c.

**Magnificent, Crimson**. A bright shade. Package, 15c.

**Magnificent, Golden Yellow**. A fine contrast to the crimson. Package, 15c.

**Mixed**. Package, 10c.

**CHINESE WOOL FLOWER** (*Celosia Childsii*). New variety. Has a crimson, globe shaped head, like a ball of crimson silky wool. Package, 20c.

**CARDINAL CLIMBER**. A new and absolutely distinct annual climber, being the result of a cross between *Ipomoea quamoclit*, "Cypress Vine," and *Ipomoea coccinea*. We consider this the most brilliant and beautiful annual vine ever introduced. It will no doubt attract universal attention, not only for the beauty and number of its bright, cardinal red flowers, but for its hardiness, its quick growth, reaching a height of 20 to 25 feet in a short time, and also for its rich green, lacinated foliage, which resembles that of a fine Japanese Maple. The flowers, which are about 1½ inches in diameter, the tube being about 1¼ inches in length, are borne in clusters of from 5 to 7 and their vivid cardinal red color against the abundant dark green foliage is most effective. This vine thrives best in a good soil and a warm, sunny situation. Sow the seed in the open ground as soon as the weather is warm and settled. Package, 15c.

**CHRYSANTHEMUM**. The double perennial Chrysanthemum so much admired at the florists is the sort we call Japanese Hybrids. We sell plants of these late in the spring. The annual varieties are smaller flowered, upright in growth, and of easiest culture, coming into bloom early.

**Annual Varieties**. Seeds should be planted early and the plants set out in April. The single varieties sometimes called "Painted Daisies." Very attractive. Height, 1½ to 3 feet. Mixed. Package, 10c.

**Coronarum**. Double, Mixed. Package, 10c.

**Tricolor Burridgeanum**. Daisy like flowers with yellow center, crimson maroon band, and white tips. Package, 10c.

**Tricolor, Mixed**. Package, 10c.

**Tricolor, Eclipse**. Golden yellow daisy like flowers with purple ring; very striking. Package, 10c.

**Evening Star** (*Helios*). This is a tall plant with large, Marguerite like flowers of pure golden yellow, 3 inches in diameter. Flowers are borne singly and are excellent for cutting. Package, 10c.

**Morning Star**. Like Evening Star, only of different color. This is a soft yellow or primrose color. Package, 10c.

**Northern Star**. Another variation of these beautiful Marguerites. Fine, large, ivory white flowers with sulphur zone. Package, 10c.

Six 10c packages of the above named Chrysanthemums for 50c.

**CENTAUREA**. Centaureas embrace a number of species, some being grown only for their foliage. Sow the seed early in boxes and transplant in March or in the open in April. All make excellent cut flowers, except the white leaved sorts. Height, 1½ to 2 feet.

**Cyanus** (Bachelor's Button; Bluebottle; Cornflower). Of easy culture. Sow the seed where it is to remain and thin plants to 3 to 4 inches apart. Mixed, package, 10c, oz., 40c.

**Blue, Single**. The most popular blue cut flower. Package, 10c.

**Blue, Double**. New and extra fine. Package, 10c; ½ oz., 50c.

**Pink**. Package, 10c.

**White**. Package, 10c.

**Imperialis** (Royal Sweet Sultan). The finest of all Sweet Sultans. The plants are very strong and bear giant flowers on stiff, long stems; excellent for cutting, lasting a week when cut.

**Purple Shade**. Package, 10c.

**White**. Package, 10c.

**Pink**. Package, 10c.

**Lavender**. Package, 10c.

**Suav olens**. Yellow. Package, 10c.

**Mixed**. Package, 10c.

**CANDIDISSIMA** (White leaved; Dusty Miller). Perennial. Grown for its silvery white foliage; leaves broader and less cleft than *Gymnocarpa*. Height, 8 inches. Package, 10c.

**CHEIRANTHUS ALLIONII** (Wallflower). Perennial. This has gorgeous orange flowers. Although a perennial, it flowers easily from seed the first summer. Beautiful for a border or in a rockery. Height, 12 inches. Package, 10c.

**CINERARIA**. Heads of daisy like flowers in purple, red, blue or white with a dark eye surrounded by a ring. Does very well in shaded positions, under trees, etc. Cinerarias are much prized as pot plants and do well in a cool greenhouse. Sow seed in summer in boxes or cool house. Height, 1 to 2 feet. Tender perennial.

**Hybrida, Mixed**. The best variety, having large flowers of brilliant colors. Package, 25c.

**CLARKIA**. This hardy annual is of easy culture, bearing bright rose, white or purple flowers in great profusion. The single type is native to California and is a wild flower. Seed can be sown almost any time, but if sown in the fall will give early blossoms in the spring. The Elegans varieties grow two feet tall with flowers in spikes. The seedlings should be pinched back twice to make bushy plants, once to 3 inches and again to 9 inches.

**Elegans, Carmine Queen**. Just loaded with double carmine flowers along the stem. Package, 15c.

**Elegans, Double, Mixed**. Package, 15c.

**Elegans, Single, Mixed**. Package, 15c.

**Elegans, Vesuvius**. Bright coral pink blooms, 1½ inch across, shading deeper and more intense at center. They are very double, like rosettes and are borne an inch apart on stiff, red stems which contrast beautifully with the color of the flower. Height, 15 to 18 inches. Package, 15c.

**Pulchella, Tom Thumb**. Double, white. Package, 15c.

**Salmon Queen**. Package, 15c.

**COBAEA SCANDENS**. Half hardy perennial. A fine large purple flowered vine. Package, 10c.

**COCKSCOMB**. See *Celosia cristata*.

**CONVOLVULUS**. See Morning Glory.

**COREOPSIS**. Hardy perennial. No flowers bloom longer during the whole season than Coreopsis. It is a most excellent cut flower, lasting well. Flowers bright yellow, large and showy. Easily grown from seed. Height, 2½ feet. Package, 10c.

**Lanceolata Grandiflora**. Package, 10c.

**COLEUS**. A tender perennial grown for its beautiful, bright colored velvety leaves. Valuable for window garden or pots, and can also be grown outdoors if taken up in winter. Height, 10 to 18 inches. Package, 25c.

**COLUMBINE, AQUILEGIA**. A hardy perennial growing about 2 feet high and bearing flowers of a great variety of colors on long, smooth stems. Stands partial shade very well.

**California Hybrida**. Large yellow flowers, orange spurs. An improvement on our native sort. Package, 15c.

**Chrysantha**. Pure golden yellow single flowers, long spurs. Height, 3 feet. Package, 15c.

**Caerulea** (Rocky Mountain Blue Columbine). Fine deep blue and white flowers, long spurs. Package, 15c.

**Rose Queen**. Beautiful large pink flowers with long spurs. Package, 15c.

**Skinneri** (Mexican Columbine). Flowers crimson and light green; very handsome and quite distinct; spurs and sepals long. Height, 3 feet. Package, 15c.

**Long Spurred Hybrids, Mixed**. Showy. Package, 10c.

**COLLINSIA**. A free flowering and easily grown annual, reaching a height of 1 to 2 feet. Flowers white, crimson, purple, etc. A California wild flower. Mixed. Package, 10c.

See SPECIAL OFFERS—Pages 61 and 62



**COSMOS.** One of the very finest late summer and fall flowers, and an excellent cut flower. The bushes grow tall, 6 to 8 feet, and are loaded with large showy blossoms, 5 inches in diameter, in white, pink or crimson. Cosmos should be in every garden. Sow the seed early and transplant, or sow later in spring where it is to remain. Hardy annual.

**Double Pink Beauty.** Clear pink, with double crest. Package, 15c.

**Double White Queen.** Pure white. Package, 15c.

**Early Varieties.** This strain is truly giant and very early. Flowers in 75 days from seed.

**Early Crimson.** Package, 15c.

**Early Pink.** Package, 15c.

**Giants of California.** Pink and crimson. Package, 10c; oz., 50c.

**Klondyke.** A late blooming variety with bright yellow blossoms. Package, 15c.

**CYPRESS VINE (Quamoclit Vulgaris).** A tender, climbing annual, with soft fern like foliage and small star like flowers in red, pink or white. Mixture of all colors. Package, 10c.

**DAHLIA.** Dahlias will bloom the first year from seed, and while they do not come true to variety they are very interesting to grow. Single mixed; double mixed, Cactus mixed, per package, 10c.

**Hybridized Mixed.** Special hand hybridized seed. Many varieties of prize winning dahlias have been produced in California from our hybridized seed. Package, 35c.

**DAISY, SHASTA.** A fine perennial plant, bearing large, white, single blossoms, with yellow centers; an excellent cut flower. Soak seed in warm water before sowing. Package, 10c.

**Alaska.** One of Burhank's creations. Package, 15c.

**Double.** See *Bellis Perennis*.

**DIANTHUS, PINKS.** Nothing is prettier or more satisfactory than old fashioned Japanese pinks. They should be in every garden. They are hardy, about 1 foot in height, and bear beautifully colored single and double blossoms in profusion all summer. Sow seed early in boxes and transplant, or sow in rows where the plants are to remain and thin. See also *Carnation*.

**Chinensis (China or India Pink).** Double White. Package, 10c.

**Double Mixed.** Package, 10c.

**Heddewigii (Japanese Pink).** Finest single mixed. Package, 10c.

**Finest Double Mixed.** Package, 10c.

**Diadematus (Double Diadem Pink).** Large double flowers in many colors. Package, 10c.

**Mourning Pink.** Very dark crimson, margined pure white. Package, 15c.

**Laciniatus.** Single fringed pink; single fringed white; single fringed mixed. Per package, 10c.

**Imperialis (Double Imperial Pink).** Very large. Package, 10c.

**Plumarius (Grass Pink; Pheasant Eye; Scotch Pink).** A single hardy perennial pink with light colored flowers having a darker center; various colored. This makes a fine border or flowering hed. Constantly in bloom. Package, 10c.

**Plumarius, Double (Double Clove Pink).** A double flowered sort, in various colors like the single. The foliage makes a pretty border; flowers delightfully close scented. Package, 10c.

**DISCUS COERULEUS (Queen Ann's Blue Lace).** Though not new this valuable annual has only recently been introduced into California. The plants are of upright growth and produce numerous heads of sky blue flowers. It succeeds well in the open ground and also makes an excellent pot plant. Package, 10c.

**DUSTY MILLER.** See *Centaurea* and *Cin-eraria*.

**DIGITALIS, FOXGLOVE.** Grows usually about 3½ feet, although in very rich soil it sometimes reaches 6 feet. The bell shaped flowers are borne on long spikes. Thrives best in cool, shady locations. Hardy perennial.

**Pink.** Mottled. Package, 10c.

**Purple.** Package, 10c.

**White.** Package, 10c.

**Mixed.** Package, 10c.

**DIMORPHOTHECA AURANTIACA HYBRID.** Hardy annual. Beautiful flowers in all shades from white to cream, yellow and salmon. Package, 10c.

**DOLICHOS (Hyacinth Bean).** Tender annual climber and very rapid growers. Sow seed in open ground late in April.

**Lablab.** Mixed. Package, 10c.

**ESCHSCHOLTZIA (California Poppy).** The California Poppy is an exceptionally bright and handsome flower. It adorns the fields and railway embankments. If your premises have a wild or uncultivated plot, by all means plant some *Eschscholtzia* seed. It grows easily and once seeded will reseed itself. Sow the wild sort by the pound over the hill sides. Multiply the native flowers by the thousands. The leaves of the *Eschscholtzia* are cut fine and feathery. Sow in the fall out in the open for the plants. Do not transplant well. Height, 1 to 1½ feet. Hardy annual.

**Californica.** The bright, orange yellow wild variety. Package, 10c; oz., 30c; lb., \$2.75.

**Carmine King.** There is nothing prettier than this carmine rose *Eschscholtzia*. Package, 10c; oz., 80c.

**Crimson Flowering.** Package, 10c.

**Chrome Queen.** Light yellow with just a shade of apricot, a wonderful color; flowers frilled. Package, 10c.

**Crocea.** Pure deep orange. Package, 10c; oz., 80c.

**Erecta, Mandarin.** Brownish gold; erect plant. Package, 10c.

**Extra Golden.** A fine selection of the dark wild California Poppy. This is the finest colored *Eschscholtzia* and its richness of color is unequalled. Should be in every garden. Package, 10c; lb., \$3.

**Golden West.** Very large, orange colored blossoms, shading to canary yellow at the edges. Package, 10c.

**Mandarin.** Blossoms are copper colored outside and bright yellow inside the petals. Package, 10c; oz., 50c.

**Mikado.** Orange crimson. Package, 10c.

**Purple Glow.** Reddish purple. Package, 10c.

**Rose Cardinal.** Creamy rose. Package, 10c.

**Tango.** Bronzy red overlaid terra cotta. Package, 10c.

**Vesuvius.** Red and gold. Package, 10c.

**White.** Large ivory-white. Package, 10c.

**FEVERFEW (Matricaria capensis).** Called "Double Feverfew." A plant growing 1½ feet high and bearing profusely pure white, very double flowers. Package, 10c. See also *Pyrethrum* for edging varieties.

**FOUR O'CLOCK (Peru Mirabilis).** Hardy annual. Seed should be sown in the open and thinned to one foot. An old fashioned favorite, with trumpet-shaped flowers freely borne.

**Mixture of colors.** Package, 10c.



Anemone Flowered Cosmos



**FORGET-ME-NOT** (*Myosotis*). A favorite old fashioned, bearing in profusion, especially in fall and spring, clusters of dainty, blue, five petaled blossoms. It thrives in the shade or open border, but flourishes best in a moist shady situation. Hardy perennial.

**Alpestris**. Blue. Package, 10c.

**Indigo-blue**. A new dark blue color. Package, 10c.

**Rosea**. Pink flowering. Package, 10c.

**White**. Package, 10c.

**Victoria**. Large flowers in heads of bright azure blue. Plant symmetrical, dwarf and strong grower; good for edgings. Package, 10c.

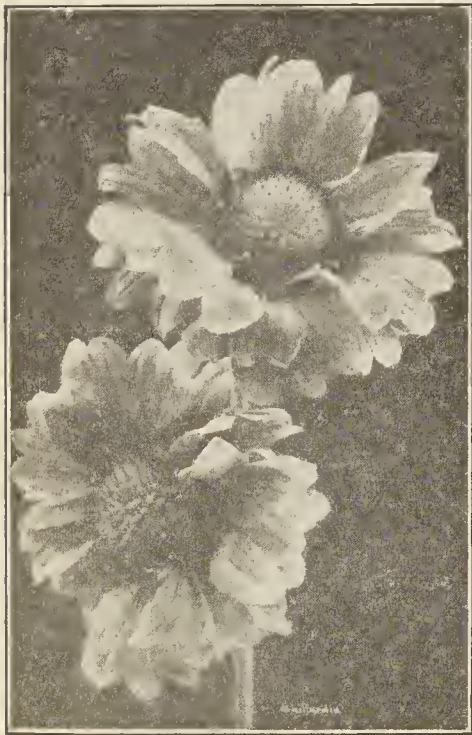
**Dissitiflora, Perfection**. Of dwarf, compact habit; flowers profusely; looks like a sheet of blue. One of the best Forget-me-nots. Package, 15c.

**FOXGLOVE**. See *Digitalis*.

**GAILLARDIA**. A very showy garden plant with brilliant flowers in scarlet and yellow, blended and shaded. Blooms freely from early summer till autumn on long, slender stems. Both single and double varieties are hardy. Height, 1½ to 2 feet.

**Double Mixed Annual** (*G. picta* Lorenziana). Package, 10c.

**Grandiflora**. Single perennial variety with blooms of varying shades of reddish brown and yellow. Package, 10c.



Gaillardia Grandiflora

**GENTIANA ACAULUS** (*Gentian*). Hardy perennial. Intense blue flowers with yellow spot. Height, 4 inches. Package, 10c.

**GERANIUM**. Half hardy perennial. The very well known Geranium, the one commonly seen is the variety *Zonale*.

**Capitatum** Apple-scented. Very fragrant leaves. Package, 25c.

**Lady Washington** (*Fancy Pelargonium*). Handsome, large flowered sort in many colors and with beautiful markings. Package, 25c.

**Petalum**. Ivy leaved.

**Zonale**. Mixed. Package, 10c.

**GERBERA**. See *Transvaal Daisy*.

**GEUM, MRS. BRADSHAW**. A brilliant scarlet cardinal flower the size of a large carnation, which it somewhat resembles. Package, 10c.

**Lady Stratheden**. Yellow. Package, 25c.

**GODETIA**. Tall sorts, fine mixed. Package, 10c.

**Dwarf Varieties**. Mixed. Package, 10c.



Lady Washington Geranium

**GILIA**. A hardy annual, growing 1 foot high, with white, lilac or rose-colored flowers. A native of California. Valuable for rockwork or borders. Sow seed in the fall. Mixed. Package, 10c.

**Leptisophon Achilleafolia**. Hardy annual. This pretty *Gilia* is common about San Francisco on the hills and sandy ground. Flowers come in clusters 1½ inches across and often give a blue look to the fields. Height, 1 foot. Package, 10c.

**AMOENA**. Our pretty wild flower known as "Farewell to Spring." Deep rose colored flowers. Height, 12 to 30 inches. Package, 10c.

**Duchess of Albany**. Tall; white. Package, 10c.

**Lady Albemarle**. Tall; dark crimson. Package, 10c.

**Liberty Bell**. Double; bright carmine, flushed rose. Package, 10c.

**Schamini**. This plant is covered with semi-double clear light pink blossoms, 2½ inches across. A charming flower. Height, 2 feet. Package, 10c.

**GOMPHRENA** (*Globe Amaranth*). Hardy annual. "Everlasting" with round heads about 1 inch in diameter, rose, yellow, or white. Height, 8 inches. Package, 10c. Mixed, 10c.

**GOURDS** (*Mixed Ornamental Varieties*). Mixed varieties, odd, very ornamental. Package, 10c.

**Calabash or Pipe Gourd**. Package, 10c.

**Chinese Bottle**. A useful variety; large bottle-shaped shell.

**Dish-cloth or Luffa**. The inside lining makes a sponge; very useful. Package, 10c.

**Dipper or Siphon**. Can readily be made into a dipper. Package, 10c.

**Hercules' Club**. Four feet long; club shaped. Package, 10c.

**Nest-egg**. Like a hen's egg and frequently used for nest eggs. Package, 10c.

**Sugar Trough**. Useful for buckets, holding from 2 to 10 gallons. Package, 10c.

**Turk's Turban**. Red, green striped, etc. Small. Package, 10c.

**GYMNOCARPA**. Perennial. Called "Dusty Miller." Leaves silvery gray, deeply cleft. Height, 1½ feet. Package, 10c.

**GYPSOPHILA** (*Baby's Breath*). Florists all use this to make up their bouquets. The plant is feathery and has small white flowers. Most easy to grow. Height, 2 to 3 feet.

**Muralis**. Pink flowers. A fine border plant. Height, 6 inches. Package, 10c.

**Paniculata**. Hardy perennial. Fine for bouquets; white flowers. This is especially feathery and delicate. Package, 10c.

**Elegans grandiflora alba**. This is an improved *Elegans* with larger flowers and pure white. Package, 10c.

**Elegans rosea**. A beautiful soft pink. Package, 10c.

**HELENIUM AUTUMNALE SUPERBUM**. A showy perennial, 5 to 6 feet tall, producing large, deep yellow, single flowers during the summer and fall. Fine for cutting. Package, 10c.

**HELIANTHUS**. See *Sunflower*.

**HELICHRYSUM** (*Everlasting Flower*). Hardy annual. Is the best and most satisfactory of the *Everlasting Flowers* and makes a very handsome dried bouquet. Height, 3 to 4 feet. Bronze, pink, red, salmon and monstrosum, mixed. Package, 10c.

**HELIOTROPE**. Half hardy perennial. Beautiful porch plant 4 to 8 feet tall. The fragrant flowers are small and come in clusters. Blooms the first season from seed if sown early. As it forms a large plant it requires a roomy situation. Can also be grown as a pot plant. Finest mixed. Package, 10c.

**HESPERIS**. See *Sweet Rocket*.

**HOLLYHOCKS**. Some grow to the top of the second story window and in some gardens they grow only 8 to 10 feet tall. The double ones are usually about 6 feet tall. Hollyhocks were in all the old gardens. Nothing makes a better boundary. Our doubles are very fine indeed. Hardy perennial.

**Double Varieties**. Black, rose-pink, white, blood-red, canary-yellow and mixed. Per package, 10c.

**Single Varieties, Mixed**. The old fashioned blossoms in all colors. Per package, 10c.

**Allegheny**. Mixed. The semi-double, fringed variety. An artistic and pretty sort. Package, 10c.

**HONESTY LUNARIA** (*Satin Flower; Money Plant*). The flat, silvery seed pods are used for winter decoration in the house; pretty and different from anything else. Height, 2 feet. Package, 10c.

**HUMULUS JAPONICUS** (*Japanese Hop*). A rapid growing, tender climbing annual with dense leaves. Will grow 20 to 30 feet. Package, 10c.

**HUNNEMANNIA FUMARIAE FOLIA** (*Bush Eschscholtzia*). Known also as the *Santa Barbara Poppy*. Here is a lemon colored, poppy shaped flower which will bloom all summer. Foliage fine cut and feathery; flowers three inches across. Package, 10c.

**HYACINTH BEAN**. See *Dolichos*.

**ICE PLANT** (*Mesembryanthemum crystallinum*). The thick leaves seem to be covered with crystals. Package, 10c.

**IMPATIENS SULTANI** (*Zanzibar Balsam*). Much prized for window culture. The foliage is waxy green and with the semi-transparent branches makes a plant in itself attractive. The bright rosy carmine flowers are produced continuously. Package, 25c.

**INCARVILLEA DELAVAYI**. Flowers are old rose, borne on spikes 1½ feet tall. The leaves are much cut and are decorative in themselves. Resembles a *gloxinia*. Package, 10c.



**IPOMOEA.** Beautiful annual outdoor climbers of luxuriant growth and fine for covering verandas and arbors, or for screening unsightly objects. The flowers are like giant morning-glories, to which they are closely related. The seed of several varieties, especially the Moonflower, should have the outer shell punctured and then soaked in water for eight hours or more to hasten germination. Height, 10 to 15 feet.

**Bona-nox** (Evening Glory; Good Night). Large, fragrant violet blossoms, expanding at night. Package, 10c.

**Coccinea** (Star Ipomoea). Small scarlet blossoms; vines about 10 feet. Package, 10c.

**Grandiflora alba** (Moonflower). Large white blossoms, 5 to 6 inches across, which expand at night. The vine grows very rapidly, as much as 50 feet in a season, and is covered at night and in the early morning with a multitude of fragrant white flowers; leaves large. Fine to cover anything in one season. Package, 10c; oz., 75c.

**Heavenly Blue.** A tall climber with large light blue flowers, yellow throated, and measuring 4 to 5 inches across. Package, 10c.

**Imperial Japanese.** See list under Morning Glory.

**Learii.** Large, dark blue flowers on a perennial vine. Package, 15c.

**Quamoclit.** See Cypress Vine.

**Setosa** (Brazilian Morning Glory). Annual. The vine has large, overlapping leaves, 8 to 10 inches across, which make a dense shade; useful for covering porches or garden fences. Flowers delicate light reddish purple with pink star in center, in clusters. Package, 10c.

**JAPANESE HOP.** See *Humulus japonicus*.

**KOCHIA TRICHOPHYLLA** (Summer Cypress). Also called "Burning Bush." Annual. Forms dense, oval bushes, 2 to 2½ feet high, of small feathery light green foliage. As summer advances this changes to a carmine hue and finally to a fiery red. Package, 10c.

**KUDZU VINE** (*Pueraria Thunbergiana*). Hardy perennial. Also called "Jack-and-the-Beanstalk." The first year it will grow 10 feet and the next up to 50. Package, 10c; oz., 60c.

**LARKSPUR.** There are two classes of the Larkspur which are quite distinct, the annual and the perennial. Both are very fine flowers.

**Hardy Annual Varieties.** These Larkspurs grow about 1½ to 2 feet high. They produce a profusion of bloom in a great variety of bright colors; of easiest culture, doing well in any soil.

**Double Stock Flowered.** Very double annual Larkspur with many branches. It gives a mass of bright color and is fine for cutting all summer. Flowers come all around the spike. Height, 2½ to 3 feet. Package, 10c.

**Dark Blue.** Package, 15c.

**Lilac.** Package, 15c.

**Lustrous Carmine** (Newport Pink). Package, 15c.

**Shell Pink.** Package, 15c.

**White.** Package, 15c.

**Mixed.** Package, 10c.

**Dwarf Rocket, Mixed.** Dwarf plant for bedding; double flowers. Height, 1 foot. Package, 10c.

**Azure Fairy.** Like Blue Butterfly, only the finest shade of azure-blue. Package, 25c.

**Blue Butterfly.** A very handsome blue Larkspur with an abundance of flowers on each stalk. Package, 15c.

**DELPHINIUMS** (Hardy Perennial Varieties). These are taller than the annual sorts and their brilliant flower-spikes arrest your attention even at a distance. The foliage is attractive and the plants strong and neat in habit. By keeping the plants well watered and the flowers cut, a second crop of bloom may be had, and from some a third. The seed is a little difficult to start, so we advise sowing in a box in prepared soil and under a glass.

**Belladonna.** One of the very prettiest varieties. The flowers are a clear turquoise blue. Package, 20c.

**Cardinale.** This is the grand Southern Scarlet Larkspur, one of the brightest and finest of California's wild flowers. Height, 3 to 5 feet. Package, 20c.

**Elatum Hybridum.** Blue, of various shades, with black center; very handsome. Height, 3 to 5 feet. Package, 10c.

**Formosum.** Bright blue flowers with white center. Package, 15c.

**Giant Hybrids.** A fine strain with colors from pale lavender to deep violet. Grows extra fine, tall stalks. Package, 25c.

**Double Hybrids.** Specially selected seed, California grown. The majority of the flowers come double. We can highly recommend this new type. Package, 25c.

**LATHYRUS LATIFOLUS** (Perennial or Everlasting Pea). A hardy perennial climber, thriving in any good soil.

**Pink Beauty.** The ground of the petal is white, edged and shaded with pink. Package, 10c.

**Crimson.** Package, 10c.

**Mixed.** Package, 10c.

**White.** The best variety for cutting, especially for florists' use. Package, 10c.

**LANTANA.** A tender perennial, often becoming shrub-like, 2 to 3 feet high, bearing verbenalike clusters of flowers in orange, rose and other colors. Bloom constantly all summer. Package, 10c.

**LAVENDER.** Perennial. Delightfully fragrant flowers. Package, 10c.

**LEPTOSYNE MARITIMA.** (Sea Dahlia.) This is in full flower in winter, with yellow daisy like flowers, 3 inches across. The plant is about 2 feet high and has succulent divided foliage. Get acquainted with this flower. It grows wild on the seacoast. Package, 10c.

**LINARIA HYBRIDS, EXCELSIOR.** Flowers are borne in open heads on long, upright stems. The colors are mostly violet and light purple. Package, 10c.

**LINUM** (Flowering Flax). Hardy annual. Can be sown early outdoors and thrives well in good soil. Package, 10c.

**Rubrum** (Scarlet Flax). A very showy bedding plant, as the flowers are right on top of the plants. The plant is in bloom for a long time and a bed makes a mass of bright color. Package, 10c; oz., 50c.

**Perennial Flax.** Blue. Package, 10c.

**LION'S TAIL** (*Leonotis*). A woody shrub growing 5 feet tall. Blossoms in late summer. Flowers orange. Package, 15c.

**LOBELIA.** Both annual and perennial and hardy. The annual varieties grow 4 to 6 inches high, are of compact growth and literally covered with small bright flowers. By cutting back the plants during the summer and giving plenty of water, they may be kept in flower until autumn. Used for ribbon work and borders or hanging baskets.

**Erinus Compacta, Celestial** (Annual). The finest intense blue for edging. Flowers are borne well on the top of the plant, completely covering it with a mass of intense blue. Package, 15c.

**Compacta, Crystal Palace** (Annual). Deep blue flowers and dark foliage. A constant bloomer; fine for dark blue borders. Height 6 inches. Package, 10c; ¼ oz., 50c.

**Compacta, Snowball** (Annual). A very large flowering pure white Lobelia for edging. A fine companion to Celestial. Package, 10c.

**Compacta, Mixed** (Annual). Package, 10c.

**Gracilis** (Annual). Light blue; trailing; light green foliage. Excellent for hanging baskets. Package, 10c.

**Light Blue** (Annual). A fine bright blue; excellent for blue borders; foliage light green; plant compact. Package, 10c; ¼ oz., 50c.

**Speciosa** (Annual). Deep blue flowers; dark foliage; trailing. Package, 10c.

**Cardinalis** (Cardinal Flower). (Perennial). The blossoms are produced on tall, showy spikes; brilliant scarlet flowers. Height 3 feet. Worthy of a more extensive cultivation. This plant loves a wet, boggy place, so water extra well. Package, 15c.



A Border of Annuals

Feed Everything You Grow

with this complete,  
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**VIGORO**  
Complete plant food





**LUPINS.** Hardy native California annuals, in great variety, growing from 1 to 3 feet high, and bearing spikes of pea-shaped flowers. Hartwegii Lupins are much improved, large flowering annuals. These come into flower early and bear fine spikes 2 feet tall. Of the easiest culture. Sow in the open ground and thin to 6 inches apart.

**Polyphyllus, Mixed.** Perennial. This is an extra handsome Lupin. The flower spikes are tall (1½ feet) and the leaves are rich, bright, glossy green. Attractive at all times. Package, 10c; oz., 40c.

**Mixture of all Colors.** Package, 10c; oz., 40c.

**MARIGOLD.** Bedding varieties are very dwarf, and others grow to 3 feet tall; flourishes in all gardens.

**Eldorado (African).** The best tall variety, with large, double blossoms in shades of yellow. Mixed. Package, 10c; ½ oz., 40c.

**Lemon King (African).** Perfectly superb, light yellow flowers 4½ to 5 inches across. Package, 15c.

**Orange (African).** A superb rich orange color. Package, 15c.

**Golden Ball (French).** Extra dwarf, very double. A new compact, bright folden Marigold. Height, 15 inches. Package, 10c.

**Gold Edged (French).** The flowers are orange and maroon. Pretty and unusual. Like Golden Ball, is good for bedding; double. Package, 10c.

**Dwarf French, or Legion of Honor (French)** Single; brown and yellow. Package, 10c.

**Dwarf French, Mixed (French).** Small flowers. Package, 10c; ½ oz., 40c.

**Tall French, Mixed (French).** A mixture of tall, double varieties in yellow, brown and striped; small flowers. Package, 10c.

**Florist's French (French).** The beautiful French Marigold used so much for the florist's trade. Package, 10c; ½ oz., 50c.

**Selected Striped.** Tall French type, 2½ to 3 feet high and just loaded all the season with most striking flowers, 2 inches across. Package, 15c.

**MIGNONETTE RESEDA.** A well known favorite in all old fashioned gardens. Cultivated for its fragrant flowers, which come quickly. Set on compact spikes. Sow in early spring. Height, 1 foot.

**Allen's Defiance.** Long spikes of whitish flowers; compact grower. Package, 10c.

**Golden Machet.** A compact growing variety, with medium long, thick spikes of yellow flowers. Package, 10c.

**Goliath.** Wonderful spikes, over 12 inches tall, and equally strong and large. Something new and remarkable when well grown. Package, 10c.

**Pure Machet.** A compact growing variety, with thick spikes and large sized flowerets. Package, 10c.

**Sweet Scented (Roseda odorata).** Package, 10c.



A typical Southern California grouping of plants

**MATRICARIA (Double White Feverfew).** Perennial. White, double, button-like flowers; useful for cutting. Package, 10c.

**MATTHIOLA BICORNIS (Evening scented Stock).** Hardy annual. Purple flowers. Not the handsome Ten Weeks' Stock. Package, 10c.

**MINA LOBATA.** A fine annual climber which grows very rapidly to a height of 20 to 30 feet in a season. Orange red flowers. Useful for arbor, trellis, etc. Package of 20 seeds, 10c.

**MOMORDICA BALSAMINA (Balsam Apple).** A climbing annual, growing about 10 feet long. Has graceful and ornamental foliage, yellow flowers and warted, golden yellow fruit, with large carmine red seeds. Balsam Apple and Balsam Pear are climbers which thrive in hot locations and are much planted around Bakersfield. Package, 10c; ½ oz., 60c.

**Charantia (Balsam Pear).** Same as the Balsam Apple, but fruit is pear shaped and foliage larger. Package, 10c.

**MOONFLOWER.** See *Ipomoea grandiflora alba*.

**MORNING GLORY (Convolvulus Major).** No climber is more popular than is the Morning Glory. For covering trellises or unsightly back fences they and climbing naturtiums are most often planted. Morning Glories grow quickly to a vine 15 feet long and bear a great abundance of brilliant, funnel shaped flowers, of various colors, blue predominating. Soak the seed for two hours in warm water to hasten germination; of easy culture. (See also *Ipomoea*.)

**Tall, or Climbing Varieties, Mixed.** Package, 10c; oz., 25c; lb., \$2.

**Imperial Japanese.** These are by far the handsomest of the Morning Glories, of gigantic size and in colors ranging from snow white to carmine, through every shade of blue and purple. The vine is not quite so vigorous a climber as the above. Package, 10c; oz., 25c.

**Dwarf, or Bush Varieties (Convolvulus minor).** Useful for beds, edges or hanging baskets. Mixed. Package, 10c.

**NEMESIA.** Annual. Nemesis come 1 foot high and are a mass of flowers, making them fine for bedding.

**Triumph, Mixed.** Flowers of light blue, red, yellow, and terra cotta. Compact form. Package, 15c.

**Compacta, Blue Gem.** Clear forget-me-not blue flowers of the most pleasing color in fine, compact heads. Height, 1 foot. This is a beautiful bright blue flower. Package, 20c.

**NEMOPHILA (Love Grass).** A hardy annual California wild flower, growing about 6 inches high. Has small cup shaped blossoms about 1 inch in diameter, in white and shades of blue.

**Insignis (Baby Blue Eyes).** Its flowers are of a most beautiful light blue, shading lighter toward the center. A pretty wild flower. Package, 10c; oz., 40c; lb., \$3.75.

**Mixed.** Package, 10c.

**NICOTIANA LONGIFLORA (Flowering Tobacco).** A half hardy annual, growing 3 feet high, with slender, tubular flower. Belongs to the tobacco family. Requires plenty of room in the garden.

**Affinis Hybrida.** Splendid new hybrids of the popular Affinis. They possess the delicate fragrance of the parent and come in blue, red, rose, white, etc. Package, 10c.



Morning Glory

## Feed Your Plants

For beautiful, velvety green lawns; large, richly colored flowers; luxuriant, full-foliaged trees and shrubs; and early, delicious vegetables feed them Vigoro—now! Clean, odorless, easy to use, and inexpensive.

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**NIGELLA (Love-in-a-Mist).** A hardy annual, 1 foot high, with finely cut foliage and oddly shaped blossoms in blue and white, with curious seed pods. Of easy culture.

**Damascena.** Package, 10c.



Nasturtiums

**NASTURTIUMS.** Sow the seed where it is to remain late in the spring and after danger of frost is over. It is seldom necessary to thin the young plants, as they bloom if close together. Nasturtiums prefer dry, rather rocky soil, such as we usually call "poor" soil, and bear their flowers in such locations in greater profusion than in a rich garden, where they run too much to leaves. This adds to their value for planting over unsightly places. Hardy annual.

#### TALL OR CLIMBING VARIETIES

Of quick growth, covering a wall, hedge or trellis in a short time. The brilliant blossoms almost cover the plant, from top to bottom. On cloudy days when "high fog" is overhead, yellow flowers, such as Nasturtiums, are particularly pleasing. A cheerful tone runs through all the shades and the colors are exceptionally bright.

**Butterfly.** Light yellow, with blotch of deep red on lower petal.

**Chameleon.** A mixture of changing and inconstant shades, all richly colored and on the same plant.

**Fulgens.** Extra bright crimson, foliage dark.

**Gold Garnet.** Orange yellow with garnet blotches.

**Jupiter.** Large, bright, golden yellow.

**King of the Blacks.** Dark red flowers and dark foliage.

**Lucifer.** Blossoms deep crimson; leaves brownish green.

**Moonlight.** Immense creamy yellow flowers.

**Orange.** Beautiful orange shade.

**Regina.** Salmon red, changing to almost cream color.

**Rose.** Very deep rose pink.

**Spitfire.** Brilliant flame scarlet.

All packages, 10c; oz., 25c.

**Tall Varieties, Mixed.** All the named varieties, besides many others in a splendid mixture of all colors and shades. Package, 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**Hybrids of Madame Gunther, Mixed.** A splendid mixture of blotched, shaded and variously marked varieties, in glowing tints. Package, 10c; oz., 25c; ¼ lb., 60c; lb., \$2.

**Ivy-Leaf, Mixed.** Bright flowers and with leaves like the English Ivy. Package, 15c.

**Variegated Queen, or Tall Variegated-leaved, Mixed.** Every leaf is variegated with yellow, white and green. This gives a new and very handsome appearance to the plant. The flowers are of all colors and plants come entirely true from seed. Package, 10c; oz., 30c.

#### DWARF VARIETIES

The plants form a small, round bush 12 to 16 inches high, which is a mass of bloom all summer. Do not water too much nor sow on rich ground if abundance of bloom is desired. Dwarf Nasturtiums are excellent to line roadways or wherever a tall border is pretty.

**Aurora.** Yellow, veined carmine. Package, 10c; oz., 25c.

**Chameleon, Mixed.** A dwarf mixture of blotched and inconstant shades on one plant. Package, 10c; oz., 25c; ¼ lb., 75c.

**Crimson.** Package, 10c; oz., 25c; ¼ lb., 75c.

**Golden King.** Rich golden yellow. Package, 10c; oz., 25c.

**King of Tom Thumbs.** Dark scarlet; dark green leaves. Package, 10c; oz., 25c.

**King Theodore.** Very deep crimson, the darkest of all; nearly black; dark foliage. Package, 10c; oz., 25c.

**Rose, or Pink.** Fine, distinct color. Package, 10c; oz., 25c.

**Rosy Morn.** This beautiful new variety of Nasturtium is a remarkably bright, light, cherry scarlet. The plant is compact, with an abundance of flowers which are borne well above the leaves. Package, 15c.

**Ruby King.** Bright red, tinted salmon. Package, 10c; oz., 25c.

**Queen of Tom Thumbs.** Rosy scarlet; bright green foliage variegated with creamy white. This makes the plant attractive both before and after flowering. Package, 10c; oz., 25c.

**White, or Pearl.** Very light lemon-yellow or primrose. Package, 10c; oz., 25c.

**Scarlet.** Also called "Cloth of Gold." Yellow foliage. Package, 10c; oz., 25c.

**Variegated-leaved, Dwarf, Mixed.** Handsome bedding; leaves very attractive. Flowers come in all colors and contrast the variegated leaves. Package, 10c; oz., 25c.

**Dwarf Varieties, Mixed.** A splendid mixture of all the above, besides many other varieties. Package, 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**OENOTHERA (Evening Primrose).** Half hardy annual and perennial. Good flowering shade plants are rare, especially in bright colors. The Evening Primroses like half shade best and are yellow in color. The blossom is fully expanded only late in the afternoon. Makes a good plant to grow close to a house.

**Annual Varieties, Mixed.** Package, 10c.

**Lamarckiana.** Perennial. A bright yellow Evening Primrose, of great beauty. It is found wild in many parts of California. Height, 3 feet. Package, 10c.

**Californica.** Our new red budded variety. Flowers are large and bright yellow. Package, 10c.

**PANSIES.** Truly speaking, a perennial, but an annual in California. To obtain the best results the seed should be sown in August, September or early part of October. Prepare a bed in the open ground in the following manner: Dig up the ground and level off the surface. Take some good garden soil and run it through a sieve, mix this with some good rotted manure and sand, which has also been screened, using about two parts of soil to one manure and one of sand. Spread this out over the surface, press it down, and level off with a board. Sow the seed broadcast, covering it with about an eighth of an inch of the same soil, and again press the surface down with a board. Take a piece of burlap the size of the bed and stretch it out over the ground. Place some pieces of wood around the edge to keep the burlap from blowing away, and keep it well watered, using a fine spray. As soon as the seed has sprouted, take the burlap off and nail it over a wooden framework the same size as the bed. Support this at each end by two small posts and a cross piece, placing this frame about one foot from the ground. After about a week, remove this framework, except during the hottest part of the day. In two or three weeks it can be discarded entirely. When the plants are large enough to handle, transplant to beds of rich, well prepared soil, and cover the surface with a layer of well rotted, sifted manure. Pansies prefer a rather heavy soil with plenty of well rotted manure; this is very essential. Indeed, it is almost impossible to use too much manure on pansies and the richer the soil the larger and more perfect will be the flowers. Later sowings may be made up to the beginning of February, but they will not do as well as those sown in the fall and the blooming period will be much shorter.



Giant Pansy

**Steele's Oregon Giant Pansies.** A large flowering variety of all shades and colors that come in that beautiful flower; is distinctively American strain; preferred by many California gardeners or amateurs. Per package, 25c.

**GIANT FLOWERED—In separate Colors**  
Packages, 20c; 6 packages for \$1

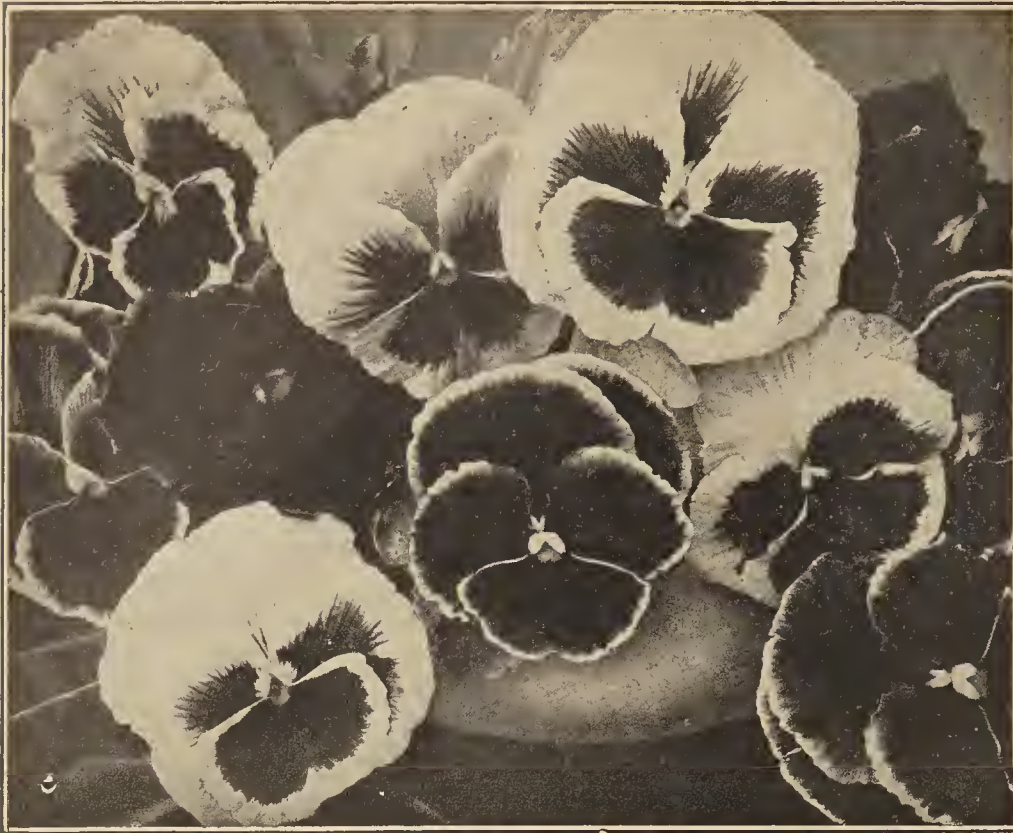
**Giant Adonis.** Light blue, with dark blue face.

**Giant Black.** Pure black.

**Giant Brown.** Deep brown.

**I**F you have friends whom you think will be interested in receiving a copy of this catalog, send us their names and addresses; we will be glad to mail them a copy.





Steel's Oregon Giant Pansies

Giant Ultramarine Blue. Fine even blue  
Giant Indigo Blue. A deep indigo color, faced variety.  
Giant Lord Beaconsfield. Three lower petals purple, upper two lavender.  
Giant Madame Perret. Wine color and white.  
Giant Purple. A fine rich shade of purple.  
Giant Pure White. Snow white.  
Giant White, Three Spotted. Trimardeau type. Three large purple spots.  
Giant Pure Yellow. The largest size of this color.  
Giant Yellow, Three Spotted. Trimardeau type of yellow-faced pansies.  
Giant Masterpiece. These pansies are a most beautiful combination of rich, velvety, ruffled petal type. Rich dark colorings.  
Giant Trimardeau, Mixed. Large flowering type of Pansies, called the French strain. The top petals are larger than the three lower ones and are beautifully marked. Package, 10c.

Improved Swiss Giant Pansies. The flowers are gigantic size, perfectly round and exhibit shades previously unknown in this family, they bloom early in the spring, continuing in flower all summer until late in fall. Package, 50c;  $\frac{1}{8}$  oz., \$2.25.

The following are really good varieties but not as large flowered as the Giants. Very suitable for massing in beds or for borders. In separate colors.

Atropurpurea. Dark maroon.  
Azure Blue. Light blue, shaded darker.  
Bronze. Deep mahogany.  
Coquette de Poissy. Distinct mauve, shading to white on the petals, very pretty shade.  
Fairy Queen. Blue, with azure margin.  
Fire King. Yellow, with maroon face.  
Golden Gem. Pure yellow.  
King of the Blacks (Faust). Black.  
Lord Beaconsfield. Deep violet blue on lower petals, shading to azure on the upper petals.

White (Snow Queen). Pure white.  
White, With Black Center.  
Bedding Varieties, Mixed.  
Packages, 10c; any 6 packages, 50c.  
Ultramarine Blue. Bright blue.

**PETUNIAS.** Petunias grow with little attention or care and in any soil when once started and bloom profusely all spring and summer. The large, double varieties do not produce seed, but the pollen from them is artificially crossed on the large, single and fringed plants, and the seed so produced will make a percentage of double blossoms. The giant flowered types produce large, single, plain edged or fringed edged blossoms, or very thickly double flowers. As Petunia seed is exceedingly fine, start the plants in a box or flower pot and merely press into the soil after sowing, cover with chopped moss, or sift a little sand over to cover, and, if possible, allow the water to soak up from beneath. The weakest looking plants will develop the handsomest flowers, so save all the plants carefully.

Petunia seed is very fine and very expensive; there is, therefore, but very little seed, almost like dust, in each package.

#### GIANT FLOWERED VARIETIES (All Fertilized by Hand)

Single, Plain Edged, Mixed. Deep throat-ed; brilliantly blotched. Package, 25c.  
Single, Fringed Edged, Mixed. Deep throat-ed, brilliantly blotched. Package, 25c.

Superb Giants. Very strong, vigorous plants with enormous flowers in a great variety of colors, some blotched, some veined and in pretty light shades. If you appreciate fine giant Petunias, try these. Package, 50c.

#### SINGLE VARIETIES

Alba Magnifica. Pure white. Package, 25c.  
Rosy Morn. Bluish pink. Package, 25c.  
Single Mixed. Package, 25c.  
Double Fringed. Saved from the finest blossoms. Package, 50c.  
Bright Blue. Package, 25c.  
Bright Rose. Package, 25c.  
Scarlet. Package, 25c.

**PENTSTEMON.** Pentstemon sends up spikes of bright colored and spotted flowers somewhat like the foxglove, but in a great variety of carmine shades and colors; decidedly beautiful.

Mixed. Package, 10c.

Excelsior, Mixed. An extra superb strain of this fine flower. Selected for largest size and finest light colors. You will be pleased with this. Package, 25c.

**PERENNIAL PEA.** See *Lathyrus latifolius*.

**PHYSALIS FRANCHETII** (Chinese Lantern Plant). Has bright yellow or scarlet seed pods. The fruit inside the pod is sometimes made into preserves. Package, 10c.

**POPPY.** Sow seed in open ground where plants are to remain and thin to 6 to 12 inches. If left thick the plants will be weak and spindling and the blossoms inferior. To avoid getting the seed too thick, it can be mixed with dry sand before sowing.

#### DOUBLE VARIETIES

Cardinal. A bright scarlet; fringed; double. Package, 10c.

Cardinal Chamois. Salmon pink. Package, 10c.

Double White, Peony-flowered. Straight edges. Package, 10c.

White Fringed, Carnation-flowered. Large; double; fringed. Package, 10c.

Double Chinese, Mixed. Unusually fine double flowers, in a wonderful range of colors. Package, 10c; oz., 50c.

#### SINGLE VARIETIES

Admiral. Large pure white flower with a broad crimson border. Package, 10c.

Tulip flowered. Intense scarlet, single blossoms. Plant about  $2\frac{1}{2}$  to 3 feet high. The brightest colored of all poppies. Package, 10c.

Shirley. The most beautiful type of poppies, having soft, hairy foliage and an immense variety of single blossoms in white, pink, apricot and shades of red and scarlet. The petals are very dainty and look as if made from crepe paper. Mixed. Package, 10c.

Umbrosum. Vermillion petals, with black spots on each, similar to Shirley. Package, 10c.

#### PERENNIAL VARIETIES

(Bloom First Year from Seed)

Iceland. A graceful, delicate variety, a foot tall, with white, orange and yellow single blossoms, the petals resembling crumpled tissue paper. The plant is low and com-



Giant Flowered Petunia



pect; excellent for cutting. Sow in the fall where plants are to remain and thin.

Orange. The well known florists' variety.

Orange shade. Package, 10c; oz., 75c.

White. Package, 10c.

Yellow. Package, 10c.

Mixed. Package, 10c.

Orientele. The large oriental poppy. A hardy plant, bearing large brilliant crimson flowers, with a black blotch on each petal. Very showy and attractive. Height, 2½ feet. Package, 10c.

Victoria. A large salmon colored Oriental Poppy. Package, 15c.



Stocks

**PHLOX DRUMMONDII.** One of the most satisfactory bedding plants because it blooms over so long a time. A hardy annual, growing from 6 inches to 1 foot high, and bearing beautiful and brilliantly colored flowers. Sow seed in the fall for early flowers. Package, 10c; 6 packages for 50c.

Alba. Pure white.

Atropurpurea. Deep purple.

Carnea. Bluish pink or flesh.

Coccinea. Brilliant scarlet.

Large Blood Red.

Rosy Chamois. With yellow center.

Splenderin. Dwarf; bright red, with white eye.

Violet. With white center.

Yellow (Isabellina). Soft primrose.

Starred and Fringed, Mixed. A mixture producing star shaped and pointed blossoms. Package, 10c.

**PERENNIAL PHLOX, Mixed.** Individual flowers similar to the annual variety, but borne in clusters of 30 to 40 flowers on a tall stiff stem 2 to 4 feet high. Package, 15c.

**PORTULACA.** Tender creeping annual, 6 to 8 inches high, bearing glossy, cup-shaped blossoms in very brilliant colors. The foliage and stems are thick. The seed germinates slowly and should be started



Annual Phlox

under glass or when the weather is hot. These flowers love the sunshine and do best on rather dry ground.

Golden Yellow. Package, 10c.

Scarlet. Package, 10c.

Pink. Package, 10c.

White. Package, 10c.

Single Mixed. Package, 10c.

Double Mixed, Large-flowering. Package, 10c.

**PRIMULA (PRIMROSE).** Greenhouse or pot plants, bearing trusses of large, single or double blossoms in bright colors, as well as soft tints. Sow seeds in April or May for winter blooming. Our seed is from the very finest strains.

#### HALF HARDY VARIETIES

**Auricula.** The primrose of the Alps. Flowers variously colored, mostly yellow; fragrant. Seed selected from selected strain. Package, 15c.

**Obconica Grandiflora.** A lovely free flowering Primula, white tinged with lilac; stems 9 inches high. Package, 25c.

**Veris Polyantha.** A hardy sort, blooming early in the open gardens. Colors mostly red and yellow. Mixed colors. Package, 10c.

**Vulgaris.** The true yellow English Primrose. Package, 10c.

Primrose, Evening. See Oenothera.

**PYRETHRUM PARTHENIFOLIUM AU-REUM (Golden Feather).** Small curled leaves of bright golden yellow. Much used for edging and borders. Package, 10c.

**Roseum Hybridum.** Red petaled flowers radiating from a golden yellow center. Buhach, or insect powder, is made from the dry leaves. Package, 10c.

**RHODANTHE (Everlasting Flower).** For winter bouquets the blossoms should be gathered before fully expanded, and if dried in the shade will retain their brilliancy for years. Rose and white, mixed. Package, 10c.

**RICINUS.** See Castor-Oil Bean.

**ROMNEYA COULTERI (California Tree Poppy).** Also well known as the Matilija Poppy. This fine perennial is of a supreme and stately beauty. The flowers are large, 4 to 5 inches across, pure white, crinkled like crepe paper, with a fine bunch of yellow stamens, resembling white single peonies. The seed takes from three to nine months to germinate. Package, 10c.

**RUDBECKIA BICOLOR SUPERBA (Cone-flower).** The center of this flower is brown, the petals golden yellow, with velvety brown spots at the base. A free flowering annual 3 feet high; very effective as a cut flower. Package, 10c.

**SALPIGLOSSIS.** A half hardy annual, growing about 3 feet high, and bearing trumpet-shaped blossoms of richest shades and colors. Mixed. Package, 10c.

**Superbissima, Emperor.** A splendid giant flowering strain, each stem loaded with these most handsome flowers, and each one richly veined with gold. Package, 15c.

**SALVIA (Flowering Sage).** A very free flowering late summer plant with flowers of intense scarlet. Start seed indoors early.

**Splendens.** Bright scarlet flowers. Package, 10c; ¼ oz., 90c.

**Bonfire.** A new dwarf scarlet Sage of dense, compact growth. Height 20 to 24 inches. Package, 15c; ½ oz., 75c.

**Dark Blood Red.** A new tall variety with large flower spikes. Much darker and richer in color than other scarlets. Package, 10c.

**Patens.** Bright blue flowers. Height 2 feet. Package, 25c.

**SCABIOSA (Mourning Bride).** Also called Sweet Scabious, Old-Maid's Pincushion, etc. Self sown in California. Our mammoth flowering strain of this old-fashioned flower is very beautiful and worthy of a place in every garden. The tall flowers are especially adapted for cutting and massing. These new flowers are double clear to the center, covering the thimble-shaped cone. Height 2½ to 4 feet.

**Mammoth Flowered Double, Mixed (S. maxima).** An improved strain with large petals and beautiful colors. Package, 10c.

**Caucasica.** A hardy perennial variety, with pale blue flowers 4 to 5 inches across, and long stems. One of the handsomest perennial flowers; valuable for cutting. Package, 15c.

**Japonica.** Hardy perennial. Artistic lavender blue, single flowers. Height 2½ feet. Package, 10c.

#### TALL DOUBLE SORTS

**Azure Fairy.** Light blue. Package, 15c.

**Black Purple.** Package, 15c.

**Snowball.** Pure white. Package, 15c.

**Rose Pink.** Package, 15c.

**Red.** Package, 15c.

**SCHIZANTHUS.** Hardy annuals, growing 1½ to 2 feet high, and covered with bright, showy, butterfly-like blossoms.

**Wisetonensis.** Remarkably free flowering and presents a beautiful appearance with its myriads of blooms, the ground color of which is white, dotted with delicate rose. A very shy seeder. Make several plantings as the plants come into bloom quickly and are a mass of color. Pkg., 15c.

**Large Flowering Mixed.** Package, 10c.

**STATICE SUWOROWI.** Long rat-tail spikes of small pink flowers. Very effective and are everlasting. Package, 20c.

**Sinuata (Sea Lavender).** Annual. Everlasting flower much used by florists for winter bouquets. Each floweret is small, but in a bouquet becomes a mass of blue, yellow or white. Height 2 to 3 feet. Yellow, blue and white, each, per package, 10c.

**Bonduelli.** Producing numerous heads of bright yellow flowers, valuable for drying; very attractive. Pkt., 10c.

**Sinuata Rosea Superba.** The statice are becoming more and more popular as gardeners realize the possibilities of these, not only as beautiful garden flowers, but also the keeping qualities, which make them a joy in a winter bouquet of everlasting flowers.



Matilija Poppy



**Sinuata True Blue.** A nice blue quite distinct from the blue offered in the general list, which is more of a lavender. Pkt. 15c.

**Sinuata White.** Each, pkt., 10c.

**Perezi.** Perennial. Strong grower, producing immense pannicles of heliotrope blue. Flowers can be cut and dried for bouquets. The most showy of all the Statice for Southern California. Send for pkg., 25c. Plants in pots, 25c each.

**SOLANUM PSUEDOCASTRUM CAPSICASTRUM** (Jerusalem Cherry). For house or garden culture. The flowers are followed by small, brightly colored fruit or berries, which almost completely cover the plant. Package, 10c.

**SEAFORTHIANUM.** Tender perennial. Blue climber. Package, 15c.

**SNAPDRAGON.** Snapdragons are biennial and may be sown in the fall or in the spring, outdoors where they are to remain, or they may be sown in boxes and transplanted. They are fine cut flowers, easily raised. You cannot afford to leave them out of your garden. They flower very freely for a long time.

#### TALL, LARGE FLOWERING TYPE 24 to 30 inches high.

**Blood Red.** Dark crimson maroon, with dark foliage. Package, 15c.

**Crescia.** Scarlet. Package, 15c.

**Katharine Morse.** Color golden rose, calyx and stem dull gray-green, a good florist variety. Package, 15c.

**Lilac Queen.** Beautiful soft lilac. Package, 15c.

**Old Rose.** Package, 15c.

**Princess Patricia.** Beautiful flesh pink. Package, 15c.

**Queen Victoria.** Pure white. Package, 10c.

**Vermillion Brilliant.** Fine orange scarlet. Package, 15c.

**Yellow.** Large; golden yellow. Pkg., 15c.

**Giant Striped, Mixed.** Finest Scotch strain, unsurpassed for size, beauty, and variety of coloring. Package, 10c.

**Giant Flowered, Mixed.** Package, 10c.

#### INTERMEDIATE TYPE 15 to 24 inches high, for bedding.

**Black Prince.** An even wine maroon color. Package, 10c.

**Bull Queen.** Lovely shade of rose with shaded orange lip. Package, 10c.

**Crimson Queen.** Very dark, velvety red with dark tube. Package, 10c.

**Diana.** Beautiful clear, bright pink, with white throat. Package, 10c.

**Fascination.** Deep flesh pink. Package, 10c.

**Golden Queen.** Large; rich yellow. Package, 10c.

**Grenadier.** Novelty. Orange scarlet face with yellow lip, white tube. Whole effect is bright flame, deep yellow and white. Package, 10c.

**Mauve Beauty.** An entirely new and rare color. A lovely shade of pale, clear mauve. Package, 10c.

**Vesuvius.** Orange or flame color. Pkg., 10c.

**White Beauty.** The finest white. Pkg., 10c.

**Grandiflora, Mixed.** Package, 10c.

**SMILAX.** A climbing perennial with beautiful, bright green glossy leaves, much esteemed for its long, delicate sprays of foliage. Package, 10c.

**STEVIA SERRATA.** A tender perennial, 1½ feet high, bearing clusters of small, white, fragrant blossoms. Suitable for summer or winter blooming and for pot culture or open air. Package, 10c.

**STOKESIA CYANEA** (Cornflower Aster). A hardy perennial, 2 feet high, and bearing large blue flowers on long stems. Blooms freely all summer and fall, and is of easy culture, but is hard to start from seed. Package, 10c.

**SUNFLOWER** (*Helianthus*). Hardy annuals, growing from 3 to 6 feet high. Of the easiest culture and suitable for a stately row or background. Plant when ground is well warmed, in light or sandy soil.

**Chrysanthemum Flowered.** Large, densely double, bright golden yellow flowers. The plant branches and affords fine, long, stout stems for cutting. This is the best variety in existence. Height 6 to 8 feet. Package, 10c.

**Cucumerifolius, Perkeo** (Miniature Sunflower). The *Cucumerifolius* Sunflowers are small, both in flower and plant, and are often called "Cut and Come Again" Sunflowers. Perkeo is only 2 feet tall, but is covered with small (3 inch) golden yellow flowers with a dark eye. Package, 10c.

**Cucumerifolius, Stella.** Is considerably taller than Perkeo and has larger single flowers (6 inches across) yellow with black center. Package, 10c.

**Red Sunflower.** Some are solid red, of a deep maroon shade; others are red with petals gold tipped, and a variety of other pleasing combinations of red and gold. Package, 10c.

**STOCKS** (Gilliflower). A favorite annual succeeding best in California during the winter season. Largely grown for cut flowers, lasting a long time in water. Very effective for planting in beds or borders. To obtain the best results the seed should be sown in August, September, or early part of October, in seed boxes of rather light soil, and afterwards transplanted to the open ground. In transplanting stocks care should be taken to save the small or weak-growing plants, as these generally produce double flowers, while the strong, robust growing seedlings often come single. The seed we offer is obtained direct from one of the best specialists in Europe and can be relied upon to produce a large percentage of double flowers.

**Dwarf Large Flowering Ten Weeks.** Our strain of these has great rosettes set closely together so that the entire plant is hidden in the mass of bloom. Plants 12 to 15 inches tall; early; the best for bedding effects or edges. Ours is a selected strain.

**Blood Red.** Package, 15c.

**Light Blue.** Package, 15c.

**White.** Package, 15c.

**Canary Yellow.** Package, 15c.

**Pink.** Package, 15c.

**Purple.** Package, 15c.

**Mixed.** Package, 10c.



Giant Stocks

**Giant Perfection.** An early or Ten Weeks' Stock, with tall spikes of large very double flowers. This Stock branches into a pyramidal form and is 2 feet tall. Mixed Package, 20c.

#### SOUVENIR DE NICE STOCKS

We call the attention of the amateur and professional growers to our Giant Strains of Nice Stocks, and can furnish them a seed that will produce 75 per cent double flowers.

The Giant Nice Strain is an exceptionally vigorous growing stock, bearing quantities of double flowers of all shades and colors.

The strain is called after the town of Nice in Southern France, and we obtain our seeds direct from the growers at that place.

This strain of stock seed has brought us many new customers, for it has been very difficult of late years to secure stock seed where the percentage of double flowers is 75 per cent.

Separate colors or mixed; per package 25c; per ounce \$5.00.

**Almond Blossom.** Bluish pink, shaded deeper. Package, 15c.

**Beauty of Nice.** A beautiful flesh pink. Package, 15c.

**Crimson King.** Splendid crimson color. Package, 15c.

**Mont Blanc.** Improved pure white. Package, 15c.

**Monte Carlo.** A good yellow. Package, 15c.

**Purple.** Purple or violet color. Pkg., 15c.

**Queen Alexandra.** Light lilac, shading deeper at bottom of petals and lighter on the new flowers. Package, 15c.

**Mixed.** Package, 15c; ¼ oz., 85c.

#### GIANT STOCKS—BISMARCK

This class of Giant-Ten-Week stocks is of great merit and only needs a trial to be thoroughly appreciated by every flower grower. The plants grow from 2 to 2½ feet high and are of branching habit, producing numerous large spikes measuring 12 to 16 inches long. They are especially desirable for cutting and produce a high percentage of double flowers. We offer them in white, flesh pink, rose, blood red, lavender and mixed. Each, per Pkt., 25c.

#### WINTER STOCKS

Handsome, late flowering sorts.

**White Lady.** Our new pure white winter Stock. Grows about 20 inches high, has large branches bearing lustrous, snowy white, double flowers, most freely. The grandest white stock. Package, 20c.

**SWEET ROCKET** (*Hesperis*). A hardy perennial, growing to 3 feet high. This old fashioned, fragrant flower is of the easiest culture, and bears clusters of white and purple blossoms. Mixed. Package, 10c.

**SWEET SULTAN.** See *Centaurea moschata*

**SWEET WILLIAM** (*Dianthus Barbatus*). A beautiful sweet scented, old fashioned perennial. Grows 1 to 2 feet high and bears its flowers in clusters at the end of a stiff stem. The individual flowerets are handsomely colored and marked. It makes a beautiful bedding plant, and is of easy culture. Hardy perennial.

**Crimson Bedder.** Beautiful crimson variety especially suitable for massing in beds or borders. Package, 10c.

**Pink Beauty.** A truly wonderful pink. Package, 10c.

**Scarlet Beauty.** Intense scarlet. These new sorts should be planted by everyone. Package, 10c.

**Single Varieties, Mixed.** More attractive than the double. Package, 10c. ¼ oz., 40c.

**Double Varieties, Mixed.** Package, 10c.



**THUNBERGIA** (Black-eyed Susan). A hardy annual climber, growing about 4 feet long. Blossoms are buff, orange or white with dark centers. Mixed. Package, 10c.

**TRANSVAAL DAISY** (*Gerbera Jamesonii*). Tender perennial. Intense vermilion. Flowers, 4 inches across, on tall stems 1½ feet high. Sow seed upright, stem end in, in a box of peat and loam. Two plants from a package is a fair average. Do not over-water; very beautiful. Package, 10 seeds, 25c.

**VIOLET, SINGLE BLUE** (*Viola adorata*). Although these flowers do best propagated from cuttings, they grow readily from seed, and have a very fragrant blossom. Package, 10c.

**VINCA** (Madagascar Periwinkle). Useful for hedging in summer and for the greenhouse in winter. Blooms freely the first year from seed. Flowers rose, crimson and white. (The trailing blue Vinca or Myrtle propagates from plants only.) Mixed. Package, 10c.

**VERBENAS, GIANT STRAIN.** A half hardy perennial of easy culture. While it grows readily from division of the root or from cutting, it does best from seed. Use extra care in starting, as seed is rather difficult to start well. Seed may be soaked in warm water to hasten germination.

**Mammoth Auricula Flowered.** Fine large flowers in big heads. Each floweret has clearly defined eye. Package, 10c.

**Pink Shades.** Mammoth strains of rose shades. Package, 10c.

**Pure White.** Mammoth strain. Package, 10c.

**Purple and Blue Shades.** Mammoth strains. Package, 10c.

**Scarlet Defiance.** Large, brilliant scarlet. Package, 10c.

**Striped Varieties.** Mixed. Package, 10c.

**Hybrida Gigantea.** New giant Auricula flowered Verbena in new and beautiful shades. Package, 15c.

**Mammoth Flowered, Mixed.** Package, 10c.



Dahlia Flowered Zinnia

**NEW DAHLIA FLOWERED.** This is a new and distinct race of Zinnia, which will greatly increase the popularity of this flower. The plants of this new race are very sturdy and produce many flowers with stout stems. In formation the broad petals are closely imbricated, sometimes seeming almost to be pinned one upon the other. The flowers in full bloom often measure four inches in depth and six to eight inches in diameter. In general appearance the flowers compare favorably with the Show Dahlias. The flowering season lasts from July until the frost comes.

We offer this in Mixture; a wide range of color, including Golden Yellow, Burnt Orange, Old Rose, Mauve, Cerise and an endless range of pleasing shades of pink from Rose Pink to Tyrian Rose, and many bi-color shades, describable only with the aid of a color chart. 25c per package.

**GIANT PICOTEE TYPE.** Like the Picotee Sweet Pea, this very attractive novelty has taken well among the flower fanciers and we are pleased to advise the Picotee markings are more pronounced this season with a larger range of colors, including many shades of Crimson, Scarlet, White and Pink, with well defined Gold Picotee markings on slightly fringed petals. Pkg., 25c.

**Victory.** This is a quilled or canaled type of Giant Zinnia quite similar to the Novelty Achievement, but with larger flowers and a different range of color. The petals are peculiarly quilled and twisted with a pin wheel effect in the center. The outside of the petals are of a coppery golden color and on the underside various shades of Rose and Lilac, which when the petals twist, reflect pleasing autumn colors. Package, 25c.

**New Giant or Colossal Buttercup.** This new and pleasing color is a valuable addition of the collection of Giants, coming positively true to type and color this season. Buttercup is identical with the other Giant Zinnias, color, pleasing deep primrose which holds its color in bright California sunshine. Takes well and will supersede cream, canary and sulphur yellow. Package, 25c.

**WALLFLOWER CHEIRANTHUS.** Half hardy perennial, blooming the first year from seed. Height, 1 to 2 feet.

**Golden Monarch.** Large single, pure yellow flowers. Gives an exceptionally bright color effect. Package, 10c.

**Vulcan.** Giant, bright crimson, single variety. A fine companion to Golden Monarch in hedging effects. Package, 10c.

**Fine Single, Mixed.** Package, 10c.

**Double Mixed.** Package, 15c.

**WISTERIA, Chinese Flowering, Tall Blue.** Climber. Package, 15c.

**XERANTHEMUM** (Everlasting Flower). Annual. Flowers white, purple or yellow. Height 2 feet. Double mixed. Pkg., 10c.

#### WINSEL-GIBBS ADMIRABLE SPECIALTIES

**W.-G. Zinnia Dahlia Flowered**  
Hundreds of pleased customers are asking us to supply them with the same strains the coming season, and we have contracted with the originator of this great Zinnia for a supply of the seed. The grower has spent many years in bringing this strain to the high perfection it is today, and is keeping it up to highest standard by selection and rouging.

Flowers are immense in size; all colors and shades; slightly raised in the center, giving it the appearance of a show Dahlia.

**VIOLAS** (Tufted Pansies). These have smaller flowers than the regular pansies, but bear them so profusely that they are preferred for hedging effects where color only is wanted. Height 6 inches. Purple, yellow, white; mixed, all varieties. Package, 10c.

**ZINNIA.** One of our leading specialties. Our strains of Giant Picotee, Victory and Dahlia Flowered have proven a grand success and we offer this year again improved types of these valuable novelties.

for Better Flowers  
feed them this complete,  
balanced diet

**VIGORO**  
Complete plant food





## Winsel-Gibbs Selected Sweet Peas

### 'The Ideal Flower for Garden and Cutting

Several hundred varieties of Sweet Peas are offered by the different growers and seedmen in the United States and Europe. Every year we try out a number of these varieties and also keep a record of the experiment made by the main growers of these beautiful flowers. From the result of these experiments, our list is carefully revised each year, with the view of keeping on this list only the most deserving varieties. In looking over our list, you will notice that some of the older varieties have been dropped off to make room for more improved and newer ones.

Sweet Peas are divided into three classes. First, the Early Spencer, which are generally planted in September or the first of October for Christmas or New Year's flowers. Next are the Orchid flowering or waved varieties, which comprise the Spencer and Unwin Sweet Peas. The Spencer are considered the best of the two on account of the flowers being larger. The third class is the Standard or Grandiflora type, which consists of the varieties generally used by florists for cut flowers. They are strong growers and free bloomers, and of these we have only the very best in the list that follows. The Spencer and Standard Sweet Peas are sown as early as possible in the spring, and will produce flowers up to the time that the Christmas varieties begin to bloom in the fall.

#### SWEET PEA CULTURE

We find that our customers frequently have trouble in raising Sweet Peas, and especially in making the seed germinate. We find that the main cause of this failure is due to the fact that the seed has been sown too deep.

For Christmas flowering, the seed is sown in August or September, and for early spring blooming, the seed is sown in November, and it is in sowing these last ones that the greatest trouble is experienced. About November the ground begins to cool off, and if the seed is sown too deep they will not come through, especially the white flowering varieties.

Sweet Peas are generally sown in rows, furrows or trenches as they might be called. These trenches should be four inches deep, but this does not mean that the seed should be covered with four inches of soil at first. After digging this four-inch trench, place the seed in the bottom and then rake down from the sides of the trench just enough soil to cover them, but this should never be more than half an inch. Never sprinkle Sweet Peas, but run the water right into this trench over them. When they are up two or three inches, begin to hill them in a little until the trench is filled and level with the surface of the ground. Then a little irrigating ditch is made on each side of the seedlings. Once a week will be sufficient irrigation in ordinary soil, and then the day after irrigation, or perhaps the second day after, or just as soon as the earth can be easily worked, these ditches are filled in, and the ground in them thoroughly cultivated and pulverized with a cultivator. The ditches are dug anew for each irrigation, and are filled in and cultivated each time in the same manner. It must be remembered that Sweet Peas must not be sprinkled as this and the heavy fogs is the cause of mildew which is so often found on Sweet Peas. Both bone meal and sheep manure are great fertilizers for Sweet Peas. Do not use fresh manure by any means.

Use Nitrogin to inoculate the Sweet Peas. 25c can.

**SPENCER SWEET PEAS.** A grand new class of Sweet Peas, having large, round, open flowers of extraordinary size, often 2 inches across, with wavy standard and wide spreading wings, a large number of the flowers coming four on a stem.

Apple Blossom Spencer. Rose and blush White. Package, 10c; oz., 30c.

Asta Ohn Spencer. Lavender shaded with mauve. Package, 10c; oz., 30c.

Countess Spencer. Clear pink, deepening somewhat towards the edge. A very large flowered variety. Package, 10c; oz., 25c.

Dobbies Cream. Cream color. Package, 10c; oz., 30c.

Elfreda Pearson. Blush pink, deepening towards the edges. Package, 10c; oz., 30c.

Florence Morse Spencer. Delicate blush, with pink margin. Package, 10c; oz., 30c.

George Herbert. Very large, rose crimson suffused with magenta. Package, 10c; oz., 30c.

Helen Lewis. Orange salmon. Package,



Spencer Type Sweet Peas

King Edward Spencer. A magnificent flower, bright crimson scarlet. Said to be the largest Sweet Pea grown. Package, 10c; oz., 30c.

King White. New, very large, the finest white variety. Package, 10c; oz., 35c.

Margaret Atlee. Immense flowers, cream ground color overlaid with salmon pink. Package, 10c; oz., 35c.

Mirian Beaver. Salmon pink on cream ground. Package, 10c; oz., 35c.

Nubian. Deep maroon. Package, 10c; oz., 35c.

Old Rose. Beautiful old rose. Package, 10c; oz., 40c.

Primrose Spencer. Primrose. Package, 10c; oz., 35c.

Vermillion Brilliant. Scarlet. Package, 10c; oz., 35c.

Wedgewood. Light blue, extra fine. Package, 10c; oz., 35c.

White Spencer. Flowers of immense size, pure white. Package, 10c; oz., 30c.

Spencer Mixed. Package, 10c; oz., 25c; ¼ lb., 75c.

**NEW WINTER FLOWERING OR LONG SEASON SPENCER SWEET PEAS.** A new race of Sweet Pea, having the large waved flowers of the Spencer type, but flowering fully two months earlier, they also continue in flower for a much longer

period. For Christmas flowering sow in September, later sowing may be made up until March.

Fordhook Pink. Pink suffused with lavender. A distinct shade, particularly pleasing under artificial light. Package, 25c; oz., 60c.

Melody. A deeper shade of pink than Songbird. Flowers borne on long stems, generally four large, wavy blossoms to each stem. Package, 25c; oz., 60c.

Songbird. A beautiful light pink, about the color of Florence Morse Spencer. Package, 25c; oz., 60c.

Spring Maid. Light flesh pink. Produces a great wealth of blossoms on long stems, generally in fours. Package, 25c; oz., 60c.

Early Asta Ohn. Lavender. Package, 25c; oz., 60c.

Apricot Orchid. Buff pink. Package, 25c; oz., 60c.

Hercules. Very large, rosy pink. Package, 25c; oz., 60c.

Red Orchid. Deep red. Package, 25c; oz., 60c.

White Orchid. Pure white. Package, 25c; oz., 60c.

Early Choice Mixed. Package, 25c; oz., 60c.

Morning Star. Orange Scarlet.

Aviator. Crimson Scarlet.

Helen Lewis. Orange Salmon.

Cherry Ripe. Cerise Crimson.

Maroon Prince. Maroon.

Melody. Rose Pink.

#### LATE INTRODUCTIONS 25c Package

Blue Bird. It is the brightness of this variety which has given it its popular place. The color is indeed a most intense and rigid brilliant mid-blue. Very vigorous and free flowering, with giant blooms artistically arranged, four around a long and sturdy stem.

Miss California. This exquisite California novelty is a charming iridescent tone of cream-pink with a salmon and orange hue. The flowers are large and well-formed.

Fordhook Pink and White. Bright rosy pink standard with creamy white wings, lightly suffused rose. A most popular variety of extreme size and exquisitely waved and frilled.

Yarrowa. Bright rose-pink on clear cream. Large, well waved and free blooming. This old standby is very attractive, of Australian origin.

Glitters. Glitters and scintillates, with a fire-like sheen radiating over the flowers. The standard is a bright fiery orange and the wings are deep orange.

Mrs. Kerr. The best Early Flowering salmon Pea in existence. Large, well-waved blooms carried gracefully on long stems. The demand for this unusual shade in the cut-flower market is always strong and it usually brings a fancy price.

Princess. Color a lovely shade of soft lavender suffused mauve. Attractively waved.





# INSEL-GIBBS BULK VEGETABLE SEEDS

are thoroughly tested at our trial grounds before being offered to our customers. They are fresh, of high germination, uniform in quality and as consistently true to label as thirty-four years of experience in seed growing will permit. They will grow and produce quality and quantity in vegetable crops. All prices quoted are as January 1, and are subject to change without notice.

## Before Ordering Please Read Carefully

Be sure to write your name, your postoffice address, your shipping address and your shipping instructions clearly and plainly on all orders. Unless we definitely state otherwise, we prepay POSTAGE on all seeds where quoted in packages with the exception of all bulk seeds. Seeds ordered in quantities too large to be forwarded by Parcel Post will be forwarded by express or freight, charges to be paid by the purchaser.

### Artichokes

**GREEN GLOBE.** Sow in seed beds in the Spring and transplant the next season in rich soil in rows four feet apart each way. Set the roots 12 inches apart in the rows. They are the large, green globe variety; most successful in our region; deep green in color. Per package, 10c. Artichoke plants can be furnished in the Spring at the rate of 25c each.



Green Globe

### Asparagus

It requires two years to raise asparagus plants and one ounce of seed will produce about 800 plants. Sow in early Spring in rows 14 inches apart, thin out and allow the plants to grow two years after which time the roots should be set in rows three feet apart and the roots one foot apart.

Asparagus roots furnished in December, January and February at the rate of 25c per dozen for two year old plants.

**BARR'S MAMMOTH.** Per package, 10c; per oz., 20c; ¼ lb., 50c, per lb., \$1.50.

**COLUMBIA MAMMOTH WHITE.** Per package, 10c; per oz., 20c; per ¼ lb., 45c; lb., \$1.25.

**CONOVER'S COLOSSAL.** The standard variety for home or market use. It makes large thick, white shoots of delicious flavor. Per package, 5c; per ounce, 20c; ¼ lb., 45c; per lb., \$1.25.

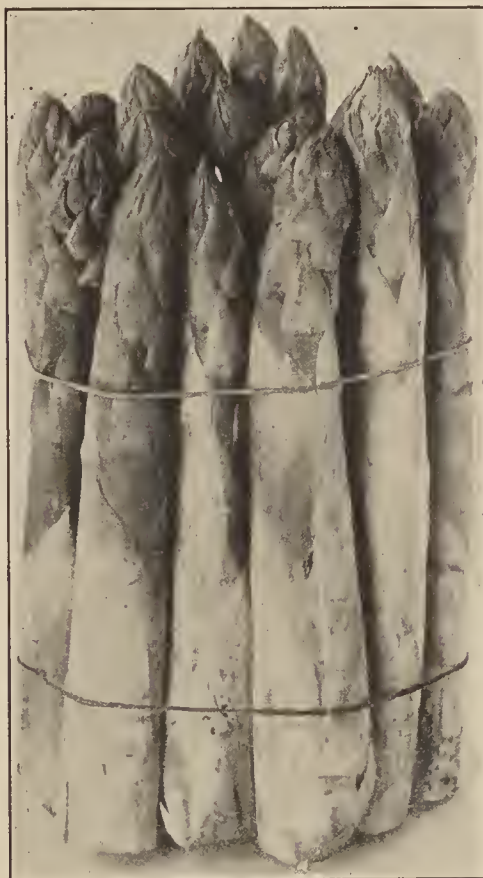
**PALMETTO.** One of the most popular commercial varieties. Shoots are light green, slightly tinted pink. Per package, 5c; per oz., 20c; ¼ lb., 45c; per lb., \$1.25.

### Beans

Beans require a light, friable soil, with plenty of moisture, and they are very sensitive to frost. In California they should not be sown earlier than April 15. In the garden the soil should be made mellow and rich, and kept so, and all pole varieties should be provided with poles or a trellis on which to climb. For a garden crop plant String Beans in succession every four weeks throughout the season. Sow in rows 18 to 24 inches apart, and cover from 1 to 2 inches deep, but not more. Keep the pods picked and the vines well watered and the beans will continue bearing much longer than if the vines are allowed to become dry. Hoe the rows occasionally.

For farm crop plant about 25 pounds Pole Beans per acre, in rows 36 inches apart; plant Bush Beans about 35 pounds per acre in rows 24 inches apart. For the home garden there should be a succession of five or six varieties to provide the table with early, medium and late beans.

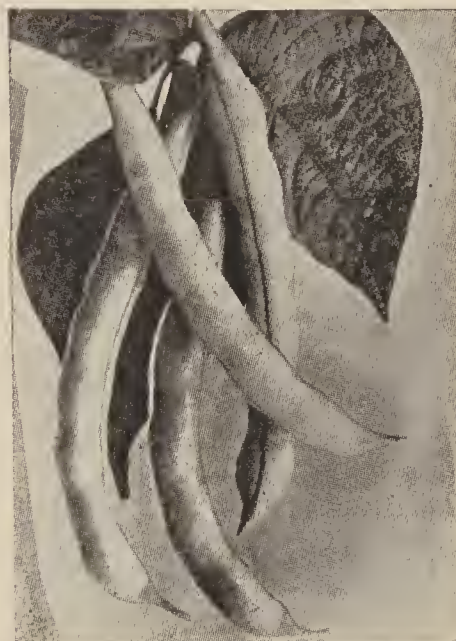
Our smallest packages of beans sell for 10c, but remember that you get 4 ounces of seed and not one ounce as in some packages selling from 5c to 15c each. These prices are postpaid in first and second zones. Write for special prices for large quantities.



Palmetto Asparagus

### Dwarf or Bush Green-Podded

**BURPEE'S STRINGLESS GREEN-POD.** The very best quality. We have a selection of this favorite bean which is absolutely stringless. The pods are very tender, thick, meaty and long. The plants bear well and always give satisfaction. Seed brown. Per package, 10c; lb., 50c.



Burpee's Stringless Green Pod

**CANADIAN WONDER.** The leading green podded market bean for our section. Fine in flavor. Per package, 10c; lb., 50c.

**EARLY SIX WEEKS.** One of the quickest growing and most productive beans. Pods very long and fine in flavor. Per package, 10c; lb., 50c.

**EXTRA EARLY REFUGEE.** A very early, green-podded variety, with medium sized, green, fleshy pods. Seed drab, freely spotted with dark purple. Their color is lighter than most of the green beans. Per package, 10c; lb., 50c.

**ENGLISH OR BROAD WINDSOR.** This bean should be grown in the Fall, Winter or early Spring. It is not a string bean, but a very popular variety. It is also called the Horse Bean in some sections. Per package, 10c; lb., 20c.

for Early, Crisp Vegetables

feed them this complete,  
balanced diet

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Complete plant food





**REFUGEE**, or 1,000-to-1. There is no dwarf bean so prolific as our selection of Refugee. As many as 150 pods are sometimes found on one vine. These pods are long and green, becoming lighter in color as they mature. Not an extra early bean, but a hardy one and an extra heavy bearer. Its quality is good. Per package, 10c; lb., 35c.

### Dwarf or Bush Wax-Podded

These dwarf beans have creamy white, yellow or golden yellow pods. Most of the varieties listed are stringless. The selection of wax or green-podded varieties is purely a matter of choice. The wax-podded varieties look very beautiful on the table, but as they show bruises in handling they are less frequently seen in the markets. Both classes are easily grown. In regard to sending by express, freight, or parcel post, see inside of front cover.

**IMPROVED RUST-PROOF GOLDEN WAX.** Quite rust proof, rather hardier than Golden Wax, and the pods are broader and fatter. Seed white, somewhat spotted with purplish red. This bean is a fine upright-growing variety. Per package, 10c; lb., 50c.

**CHALLENGE BLACK WAX.** One of the standard wax beans. Of excellent quality and very prolific. Per package, 10c; lb., 50c.

**GOLDEN WAX.** One of the best and hand-somest beans in cultivation. Pods are long, nearly straight, broad, flat and golden yellow. Seed white, more or less covered with two shades of purplish red. None will be found better in all ways than our selection of Golden Wax. Per package, 10c; lb., 50c.

### Pole or Running, Green and Wax-Podded

These beans require a pole or trellis to climb on if planted in the garden, although when raised as a seed crop they need no support. Pole beans are very prolific and bear longer pods and a great many more than the bush variety.

**BURGER'S GREEN-POD STRINGLESS POLE, OR WHITE SEEDED KENTUCKY WONDER.** A new pole variety of great merit. Bears long, green, brittle, stringless pods of excellent flavor. Per package, 10c; lb., 35c.



Kentucky Wonder Pole Bean



Every back yard should grow vegetables

**HORTICULTURAL OR SPECKLED CRANBERRY.** An old favorite. Pods short, pale green, becoming splashed with brownish red. Seed bluish pink, spotted with red. Valuable either green or dry, shelled. Per package, 10c; lb., 35c.

**KENTUCKY WONDER.** The best and most popular of the pole varieties and should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, round and fleshy, dark green in color and absolutely stringless, showing no signs of toughness. The seed is brown and rather long. Per package, 10c; lb., 35c.

**KENTUCKY WONDER WAX.** An excellent variety and one of the very best yellow pole beans. The pods are long, very thick, meaty, deeply saddle-backed, entirely stringless. The vine is thrifty and very prolific. Seed deep brown. Per package, 10c; lb., 35c.

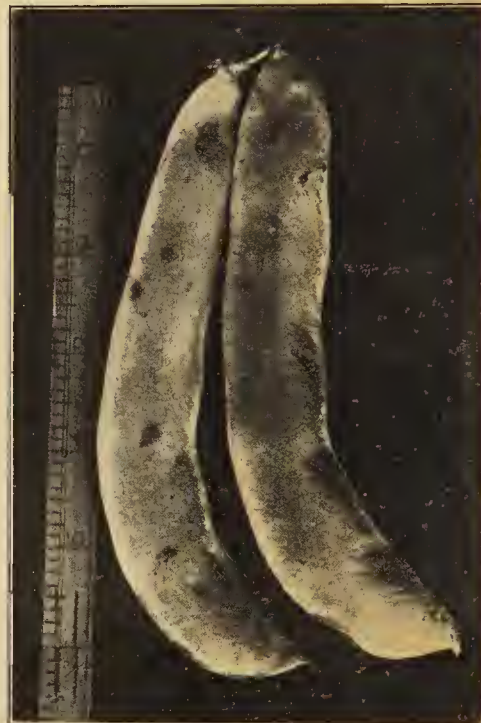
**SCARLET RUNNER.** The well known and old fashioned climber, having bright scarlet, pea like flowers. It not only holds its place as a flower, but the pods, when young, are of the fine quality for cooking. Scarlet runners bear well in San Francisco region. Per package, 15c; lb., 40c.

### Lima Beans

Lima beans are delicious when used green or shelled, and can be grown for this purpose in any climate. Sow bush sorts in 24 inch rows and pole varieties in hills 4 feet each way. Sow late after ground is well warmed in spring. Limas will not thrive planted in over-moist soil. Have the ground well prepared and well warmed, but do not water when planting.

### Bush Varieties

**BURPEE'S IMPROVED BUSH.** The dried beans generally show a greenish white coloring and are quite thick. Per package, 10c; lb., 50c.



Burpee's Improved Bush Lima, Best Garden Variety

### for Better Lawns

Vigoro, the complete scientifically balanced plant food, produces thick, velvety green lawns quickly. Clean, odorless, easy to use, and inexpensive. Order enough to feed everything you grow.

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Complete plant food





**BURPEE'S BUSH.** Well known dwarf variety; pods large and the beans heavily ribbed. Per package, 10c; lb., 50c.

**FORDHOOK BUSH.** The beans are round and thick, of mild, delicious flavor. Per package, 10c; lb., 50c.

**HENDERSON BUSH, or BABY LIMA.** Per package, 10c; lb., 50c.

### Pole Varieties

**KING OF THE GARDEN.** One of the best and most popular main crop varieties. It is medium early and has pods 5 to 6 inches long, which are well filled with good sized beans. Per package, 10c; lb., 35c.

## Beets

In Southern California table beets are planted every month in the year. Sow in drills about 18 inches apart, in deep sandy loam. Thin out so as to leave the plants five inches apart.

**CROSBY'S EGYPTIAN.** The best known and most popular variety. Very early and of fine quality. Globe shaped; bright red with clear vermilion flesh. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.



Early Wonder Beet

**DETROIT DARK RED.** An extra fine beet, and the one we recommend for all garden purposes. Globe shaped; bright, but rich red flesh. Tops small and green. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**EARLY WONDER.** A new introduction, surpassing all other varieties. A refined, even strain of an early globe beet with rich crimson scarlet flesh. Owing to early harvest makes a profitable commercial beet. Per package, 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**EARLY ECLIPSE.** A fine, early table beet. Top shaped or tapering; flesh deep crimson, zoned with pink, crisp and sweet. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**EARLY BLOOD TURNIP.** A good variety for summer and autumn use. Is turnip shaped, with bright red flesh, showing zones. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**HALF LONG BLOOD.** A half long variety about 8 inches long and tapering abruptly. Very rich, deep red flesh of fine quality. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**EXTRA EARLY EGYPTIAN.** A flattish, turnip shaped variety with dark red flesh, showing zones of a lighter shade. Dark leaves. A good table beet and very early. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**LONG SMOOTH DARK BLOOD.** A very desirable variety for light soils, where roots are easily dug. Skin very dark brownish red; flesh deep blood red. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

### Mangel Wurzel or Stock Beets

In Southern California stock beets are planted every month in the year. Sow in drills about 18 inches apart, in deep sandy loam. Thin out so as to leave the plants five inches apart.

**CHAMPION YELLOW GLOBE.** A large, round, orange yellow variety. Good for shallow soils. Per package, 10c; lb., 60c; 10 lbs., \$5.

**GOLDEN TANKARD.** Yellow fleshed. Grows partly above ground. The flesh is very solid, yellow, zoned with white. Makes a fine feed, and cattle do not tire of it. Per package, 10c; lb., 70c; 10 lbs., \$6.50.

**MAMMOTH LONG RED.** The largest of all the Mangels and the heaviest cropper. Skin is red; flesh white, zoned with red. This variety produces a larger amount of good feed than any other beet, and is recommended as superior to all others. Per package, 10c; lb., 70c; 10 lbs., \$6.50.

### Sugar Beets

**GIANT HALF SUGAR, GREEN TOP.** A beet which is superior to mangels for stock feeding purposes, as it is more nutritious, having a large amount of sugar. It is oval in shape and grows partly out of the ground; size large and yields enormously. Per package, 10c; lb., 70c; 10 lbs., \$6.

## Swiss Chard

(Sea Kale Beet)

There are a number of varieties of Swiss Chard. The one we offer is known as Perpetual Spinach, grown for us by European seed growers; not the mixed sugar beet and Swiss chard, but the genuine true stock. Used exclusively for its stalk and leaves which when cooked as spinach are tender and wholesome. They can be cut for two years, which makes them valuable for poultry keepers, as the Swiss chard will produce more food on a given space than lettuce or kale.

**LARGE RIBBED WHITE.** Sometimes called "Spinach Beet." Used for greens for chickens by cutting the stem and leaf, which are also very ornamental. It resembles an ornamental beet top, but has no edible root. May be used as a salad or cooked greens. Per package, 5c; oz., 15c; lb., \$1.00.

**GIANT LUCULLUS.** This is the largest variety of Swiss Chard in cultivation; the numerous leaves are crumpled and curled, of a light green color. On account of its productiveness we recommend it for the home garden. Per package, 5c; oz., 15c; lb., \$1.00.

### for Luxuriant Shrubs and Trees

feed them this complete,  
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Complete plant food



## Brussels Sprouts

The plants are very hardy and grow from 2 to 3 feet high, bearing a large mass of leaves at the top. The sides of the main stem are covered with three or four dozen small cabbage heads, which are broken off and cooked the same as cabbage. The sprouts mature in succession. Sow early so as to have well grown plants by fall.

**IMPROVED HALF DWARF.** Grows 2 to 3 feet high and is well covered with small, firm sprouts. Per package, 5c.

## Cabbage

Good cabbages are to be had at all seasons of the year in some parts of the country; and seed can be planted almost any time of the year. However, there are three good seasons for sowing the seed: In September for late winter and early spring cabbages, in March for summer and fall cabbages, and in June and July for winter cabbages. The seed sprouts quickly and is likely to come up very thick in the seed-bed. It should be thinned early and each plant given plenty of space or the plants will become spindling, and then do not head well. Never let the plants get checked by drought. Transplant to the field when 4 to 5 inches high, and press the soil closely about the plants. They should be put 18 to 24 inches apart, in rows 24 to 36 inches apart. To prevent the heads splitting open in the field before they are ready to be harvested, the plants should be loosened a little at the root. Cabbages require considerable moisture, but too much water causes them to rot very readily.

### Extra Early Varieties

**EXTRA JERSEY WAKEFIELD.** One of the best and most popular early varieties. Forms roundish, pointed heads of good size. Is very hardy and on account of its thick outside leaves is able to resist cold and other unfavorable conditions to a great extent. Per package, 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1; lb., \$3.50.

**EARLY WINNIGSTADT.** A decidedly pointed head of good size and fine quality, the most sharply pointed of all cabbages. One of the hardest varieties, resists cold, wet and insect pests to a degree which makes it very desirable. We recommend it as one of the best early varieties. Seed imported from selected strains, grown for us in Denmark. Per package, 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.20; lb., \$3.50.



Copenhagen Market Cabbage

### Second Early Varieties

**COPENHAGEN MARKET.** Undoubtedly the best cabbage for all conditions. Good for market growing, and home garden. Heads medium sized, firm and round. Per package, 5c; oz., 55c; lb., \$5.50.

**EARLY DRUMHEAD.** Round, flat heads. Excellent for the home garden or market. Per package, 5c; oz., 55c; lb., \$5.50.

**EARLY DWARF FLAT DUTCH.** A good flat headed variety, with short stems and hard, firm head. Per package, 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.20; lb., \$3.50.



### Winter Varieties

**FLOTTER'S GIANT DRUMHEAD**, or World-beater for sauerkraut. Per package, 10c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00; lb., \$6.00.

**DANISH BALLHEAD**, or **THE HOLLANDER**. A very late variety, forming globular heads; very hard and solid. Keeps well and is a good shipper. The color is bluish green. Per package, 5c; oz., 55c; lb., \$5.50.



Danish Roundhead

**DANISH ROUNDHEAD**. A short stemmed Danish Ballhead, having all the good qualities of its progenitor and being nearly two weeks earlier. A main crop variety. Per package, 5c; per oz., 55c; lb., \$5.50.

**PREMIUM LATE FLAT DUTCH**. A well known, large, late variety. Flattish round heads, very solid and firm; has rather tall, stout stem. Per package, 5c; oz., 35c;  $\frac{1}{4}$  lb., \$1.20; lb., \$3.50.

### Savoy Cabbage

**PERFECTION DRUMHEAD SAVOY**. A variety that is much prized in Europe and also by those who are familiar with it in this country. It is very sweet and crisp and always tender. Heads medium sized and fairly compact. Per package, 5c; oz., 40c;  $\frac{1}{4}$  lb., \$1.35; lb., \$4.00.



### Chinese Cabbage

**WONG BOK**. This is the large white strain of Pe-Tsai. Has a distinct and appetising flavor. Seed imported from China. The culture for Wong Bok is the same as for winter cabbage. Per package, 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.65; lb., \$5.00.

### Red Cabbage

**MAMMOTH ROCK RED**. Best hard headed red variety. Large heads, globular; very solid and very deep red on top. Outer leaves greenish red, large, and spreading. Especially used for pickling and preferred by many. Per package, 5c; oz., 40c;  $\frac{1}{4}$  lb., \$1.35; lb., \$4.00.

### Carrots

#### FOR TABLE AND STOCK

Good sandy loam is best adapted for carrots of all varieties. The shorter varieties, however, can be sown on heavier lands with good results. For garden, sow the early and short varieties at any time after January 1 and repeat often for a succession of tender roots. For general crop, sow in the open field about April 1, using four to six pounds per acre for rows 16 to 18 inches apart. While you get a good uniform root by thinning the young plants, it is not necessary to do so to get a crop of good, average carrots. In most parts of California carrots can be planted every 4 weeks during the year.



Chatenay Carrot

**CHATENAY or MODEL**. The roots are  $5\frac{1}{2}$  inches long, stump rooted, and a deep orange red in color. Good for bunching and selling on the market. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**DANVER'S HALF LONG**. The best variety for general purposes and the most largely used. The perfect type is about 8 inches long and about  $2\frac{1}{2}$  inches wide at the shoulder, tapering to a sort of half point at the bottom. Color is a bright orange scarlet. It is a very heavy cropper. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**LONG ORANGE**. A good heavy cropper for light soils where roots can be easily dug. The strain we offer is bright orange scarlet, fairly thick, and grows entirely underground, having no green shoulder. Brightest of the red carrots. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**WHITE BELGIAN**. The best known and one of the oldest white varieties with a long pointed root. The variety we offer does not grow above ground, with a green shoulder, as do some strains. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.

**LONG ORANGE BELGIAN**. Grown exclusively for stock; good keeper. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.

**OXHEART**. One of the most popular and heaviest yielders among short carrots. The shape is particularly desirable for heavy soils. The true type is about  $5\frac{1}{2}$  inches long and  $3\frac{1}{2}$  inches thick at the shoulder. It tapers slightly to the bottom, and is very stump rooted. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**SCARLET HORN**. A small, early stump rooted variety, of good flavor and nearly coreless. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

### Chicory

**LARGE ROOTED or COFFEE**. Best variety for its flavor. Per package, 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.35; lb., \$4.

**SMALL ROOTED or RADICHETTA**. A good sort for home gardening. Per package, 15c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.

**WITLOOF**. Best for forcing. Per package, 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.35; lb., \$4.

**VENETIEN CHICORY**. Green leaved and very tender eating. 5c pkg.; 50c oz.

### Collards

**TRUE GEORGIA**. The leading variety of greens. Excellent when cooked as Spinach. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.

### Corn Salad or Fetticus

**LARGE LEAVED**. Little known, but a fine substitute for cabbage. Per package, 5c; oz., 30c;  $\frac{1}{4}$  lb., \$1; lb., \$3.

### Cauliflower

The planting of Cauliflower is easy and is much the same as that of cabbage. It does not make a good summer crop however, as it will not head up in hot weather. Cauliflower is especially popular as a fall and winter crop, and with market gardeners proves a profitable one, owing to the scarcity of good market vegetables when Cauliflower is at its best.



California Wonder Cauliflower

**CALIFORNIA WONDER**. The best winter variety. Leaves large and long, and may be tied over the head for protection. Heads large, solid and pure white. For fall planting. Highly recommended for market garden purposes. Per package, 15c;  $\frac{1}{4}$  oz., 50c; oz., \$1.50;  $\frac{1}{4}$  lb., \$5.

**DRY WEATHER**. A sure header, it will form a head when other sorts succumb to the heat. Dry Weather is of fine texture, white, a delicious Cauliflower. It is a little later than Early Snowball. Per package, 25c;  $\frac{1}{4}$  oz., \$1.25; oz., \$4.50;  $\frac{1}{4}$  lb., \$14.



**EARLY SNOWBALL.** The best and most popular early variety grown. There is a vast difference in the strains of this variety offered, but what we offer is the best imported stock. Those who have had trouble with cauliflower should try this Snowball. It will make uniformly fine heads even under adverse conditions. Per package, 25c; ¼ oz., \$1.15; oz., \$4.25; ¼ lb., \$15.

**SNOWBALL.** An early variety with short leaves and fine white heads. About a week later than Early Snowball and preferable in most of California. For winter planting. Per package, 25c; oz., \$3.00; lb., \$30.00.

**EXTRA EARLY DWARF ERFURT.** Very early and almost as good as the best quality of Snowball. For spring planting. Per package, 25c; ¼ oz., \$1; oz., \$3.50; lb., \$35.00.

**VEITCH'S AUTUMN GIANT.** A large, late variety, very hardy, but especially desirable for the south. The large leaves protect the heads well, making this a fine variety for California. Per package, 5c; ¼ oz., 50c; oz., \$1.50; ¼ lb., \$4.50; lb., \$12.



Golden Self Bleaching Celery

## Celery

Plant seed in early spring in rich, mellow soil, rather sandy, in a frame or open ground. As soon as the plants are six inches high, transplant them four inches each way. Later transplant in the field in rows four feet apart in soil that is naturally rich or that has been fertilized well with rich manure. It is not advisable to plant celery in furrows in Southern California or to heap the plants up with earth, as this causes them to rust. It is far better to plant self-blanching varieties and to tie up a few plants at a time before using.

**CALIFORNIA GROWN.** Per package, 5c; oz., 80c; ¼ lb., \$2.65; lb., \$10.

**GIANT PASCAL.** Rather tall, green winter celery, blanches white and brittle. Per package, 5c; oz., 35c; ¼ oz., \$1.10; lb., \$3.50.

**GOLDEN SELF-BLANCHING, or PARIS GOLDEN.** The best market variety, especially for early crop. The plant is naturally golden yellow (both stem and leaves) but needs to be blanched to make it brittle and fit for table use. Forms a rather small bunch. French grown. Per package, 15c; oz., \$1.50; ¼ lb., \$2.65; lb., \$8.00.

**WHITE PLUME.** A comparatively easy variety to grow, as it is fairly hardy, and being naturally white, is easy to blanch. The leaves are also white, tinted with green at tips. Forms a medium sized bunch and is fairly tall; early. Per package, 5c; oz., 35c; ¼ lb., \$1.20; lb., \$3.50.

**CELERY SEED FOR FLAVORING (SOUP CELERY).** Per package, 5c; ½ lb., 40c; lb., 70c.

**CELERIAC, or TURNIP ROOTED CELERY.** This celery is used for soups and salads. Plant in shallow drills and give same care as celery. Per package, 5c; oz., 30c; lb., \$3.00.

**CELERY PLANTS.** 25c per dozen, or \$2.00 per 100. Transplanted 100 in a box.

## Celeriac or Turnip-Rooted Celery

**GIANT SMOOTH PRAGUE.** Fine for flavoring soups and salads. Easily grown in almost any soil. Per package, 5c; oz., 35c; ¼ lb., \$1.20; lb., \$3.50.

## Corn

Plant in the spring in hills; the small varieties 10 inches apart in drills 2½ feet apart. If sown in hills have them about three feet apart each way. Corn grows best in rich, warm soil; thorough cultivation is necessary in order to obtain good results. The following varieties are grown especially for us by Eastern specialists. Write for quotations by 100 pounds.

**COUNTRY GENTLEMAN, or SHOEPEG.** Has a white cob, closely filled with long small "shoe-peg" kernels. Is remarkably fine flavored and sweet, and is frequently used by canners. Many people consider Country Gentleman as about the best of late corns. The stalk is tall. Plant other sorts for early, and this for late. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**BLACK MEXICAN.** Although when ripe the seed is dark bluish or black, when ready for table use it is white. It is of especially fine sweet flavor and very tender; medium early. The cobs have 10 rows of kernels. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

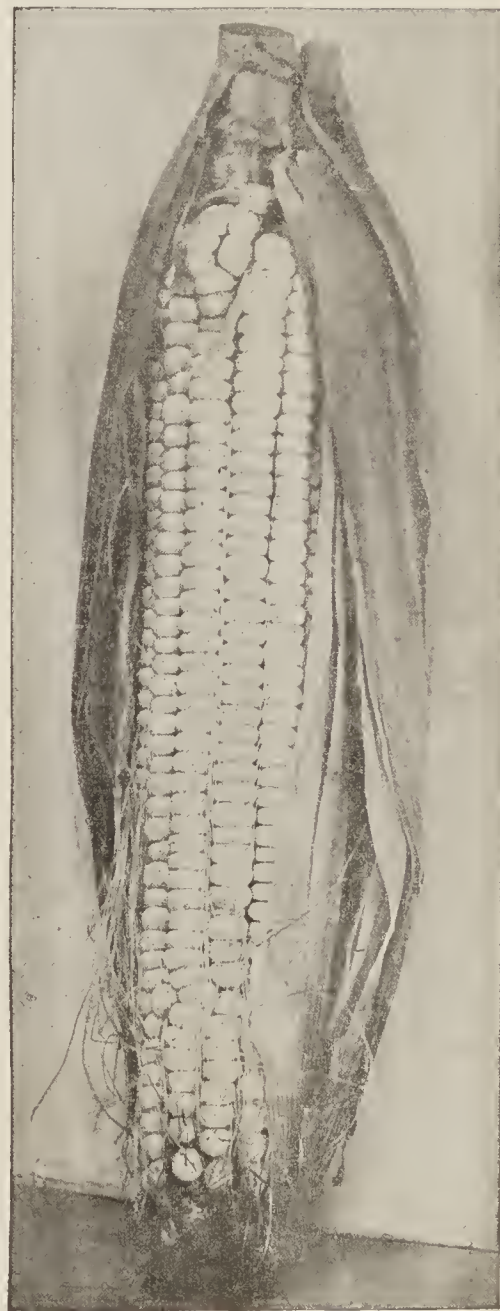
**CROSBY'S EARLY.** A fine, early variety, growing about 4 feet in height. Kernels smaller than a cory, having 14 rows to each ear. A rattling good sort. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**EARLY MAMMOTH, or ALAMEDA SWEET.** This sort is very largely grown in Alameda County. The ears are long, very large, and well filled with 10 to 14 rows. The variety is medium early and of good quality. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**EARLY MINNESOTA.** Between Crosby's and Cory's in earliness. Stalks about 5 feet high; ears long and 8 rowed. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**GOLDEN BANTAM.** A very early variety. The ears are but medium size, but are thickly set with delicious yellow kernels. The flavor of this variety is rich and nut like. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**OREGON EVERGREEN.** Earlier than Stowell's Evergreen, and, like it, very sweet and fine. Kernels are white; ears large. Nothing better for canning or for late corn. Per package, 10c; lb., 35c; 10 lbs., \$3.00.



Oregon Evergreen

**STOWELL'S EVERGREEN.** Good all round table variety of excellent quality. Stowell's Evergreen is a late sweet corn, taking a good time to mature; 12 rows to the ear; kernels long and meaty and of fine quality. Stowell's Evergreen is also used as a fodder corn on account of its succulent stalks. These grow to 6 feet or more. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**EARLY ADAMS.** Although not a sweet corn, can often be used as a table corn on account of its fine, white kernels, which are quite sweet and tender. Is very hardy and can be planted earlier than the early varieties of sweet corn. Per package, 10c; lb., 20c; 10 lbs., \$1.15.





Klondyke Cucumber

## Cucumbers

Cucumber seed should be sown as soon as the weather is warm enough, generally about the middle of February. The first early varieties are sown, of course, in sheltered locations. Around Cahuenga Valley, Eagle Rock, etc., cucumbers are sown about the middle of September for winter crops. Sow in rich, warm, sandy soil, in hills four feet apart each way, thinning to three or four of the strongest plants; hoe often and keep close watch on the insects. One ounce will plant 50 hills and two pounds will plant one acre.

**ARLINGTON WHITE SPINE.** Moderately dark green in color; very straight and even in shape. It is 7 to 8 inches long, early, and can be forced. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**CHICAGO PICKLING.** Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**EVERGREEN WHITE SPINE.** A popular variety, having long, rich, dark green fruits with very tender, white and crisp flesh. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**KLONDYKE.** A variety very dark green when young, and medium early. Excellent quality for slicing. Per package, 5c; oz., 25c; ¼ lb., 85c; lb., \$2.50.

**EARLY CLUSTER.** A very productive variety, bearing its fruit in clusters of two or three. The fruit is short and very dark green and retains its fine dark color longer than other sorts. The fruits are uniform in size and shape. Very popular for shipping. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**EXTRA EARLY GREEN PROLIFIC, or BOSTON PICKLING.** A very prolific variety, used principally for pickles. Fruit medium sized, bright green, very even and symmetrical. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**GHERKIN, or WEST INDIA GHERKIN.** An extremely small fruited variety grown exclusively for pickles. It has no value for slicing. Is very prickly, but tender and crisp if pickled when young. Seed germinates slowly. Per package, 10c; oz., 25c; ¼ lb., 90c; lb., \$2.50.

**LONG GREEN.** Our strain has been selected for extra length, and the cucumbers are a foot or more long. The seed cavity is small, and fruits are solid and of delicious quality. There is no finer table variety for slicing. Per package, 5c; oz., 20c; ¼ lb., 65c; lb., \$2.

**LEMON.** This little cucumber is not half appreciated for the home garden. It has a most delicate flavor, and never gets bitter or unfit for the most demanding taste. The vines are prolific, the fruit is small and always in good condition. Per package, 5c; oz., 30c; ¼ lb., 50c; lb., \$2.00.

**TELEGRAPH, ROLLINSON'S. ENGLISH GREENHOUSE VARIETY.** These cucumbers are quite different from the ordinary sorts. They have very few seeds and very long, slender fruits, which are perfectly straight when grown suspended from vines in a greenhouse. Very few seeds to a packet, but all are carefully saved from English greenhouses from the finest strain only. Per package, 25c.



New York Improved Eggplant

## Egg-Plant

The seed germinates slowly and should be started under glass, with moderately high temperature, about March 1. When about 3 inches high, transplant carefully to the garden or field, but not until all danger of frost is over. Eggplant flourishes in most of this state and wherever there is a good warm growing season.

**BLACK BEAUTY.** Rich purple black in color and a remarkable market variety. Is early and makes also a fine sort for the home garden. Per package, 10c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.50; lb., \$7.50.

**NEW YORK IMPROVED LARGE PURPLE.** The principal market variety. Plants are large and spreading, fruit large, and of a deep rich purple. Per package, 10c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.50; lb., \$7.50.

## Dandelion

**IMPROVED LARGE LEAVED.** Much esteemed as a salad when blanched. Sow any time in drills 12 inches apart. Cover the seed very lightly. Per package, 10c.

## Endive

Sow any time in drills one foot apart; thin to about twelve inches; keep well cultivated and watered until developed. Blanch by gathering the leaves together and tying the ends in a conical form. The endive has a bitter flavor when not blanched.

**BROAD LEAVED BATAVIAN (Scarolle).** Plain broad leaves of light green color. Per package, 5c; oz., 20c; lb., \$2.00.

**GREEN CURLED (Chicoree Frisee of the French).** The most popular variety; dark with beautiful curled leaves. Per package, 5c; oz., 20c; lb., \$2.00.



Curly Kale

## Kale or Borecole

A species of cabbage, forming a mass of leaves, some varieties being very beautiful and curly. The leaves are cooked as greens. The seed should be planted in September, and the plants will be ready to use in the winter. It is hardy and will withstand frost and snow.

**DWARF CURLED SCOTCH.** Color bright green. Per package, 5c; oz., 20c; ¼ lb., 65c; lb., \$2.

**TALL GREEN CURLED SCOTCH.** Grows about 2½ feet high. Is very curly and makes a beautiful plant. Quality of the best. Per package, 5c; oz., 20c; ¼ lb., 65c; lb., \$2.

**JERSEY, or 1,000 HEADED.** A tall variety with smooth leaves. Especially used for feeding chickens, furnishing lots of green feed. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.



## Kohl Rabi

A vegetable with the tops of cabbage and the roots of a turnip, the roots being the edible part. Sow in rows two feet apart and thin to one foot.

**EARLY WHITE VIENNA.** White and tender, very productive. Per package, 5c; oz., 30c; lb., \$3.

## Leek

A very hardy and easily grown vegetable, resembling a green onion; much milder, however, and not so pronounced in flavor. May be sown almost any time, in drills one foot apart; thin the plants to 10 inches apart.

**AMERICAN FLAG.** A very fine leek, with long, large stems, which are sweet and white when properly blanched; a vigorous grower. Per package, 5c; oz., 35c; ¼ lb., \$1.15; lb., \$3.50.

## Lettuce

Lettuce may be sown all the year round, but when it comes to July and August, extra precautions should be taken to have the seed come up. Rake the seed in well and cover very little with light sandy soil, then take some old burlap and lay on the ground, as we have advised in our garden calendar for the month of August, taking care to remove the burlap as soon as the seed comes up. Anyone desiring to raise lettuce, or, in fact, any other vegetable during the summer, can do so by providing themselves with some old burlap and when the seeds are up have some frames handy to shade the small plants, as the sun will burn them up the first day that the burlap is removed. The frames should be made of lath, cloth or burlap. A board may be set each side of the bed for the frames to rest upon. After the lettuce is a few days old, the frames and boards may be removed and new beds started.

To raise nice head lettuce, transplant the young plants fifteen inches apart each way. Keep well watered, cultivated and free from weeds.

**LOS ANGELES MARKET LETTUCE.** The outside leaves are a deep green and slightly curled while the inside of the head is pure white and very firm. It is crisp and unsurpassed for our Southern California climate for the winter and spring market. The successful raising of lettuce depends upon the selection of the proper varieties at the proper time. Some dealers catalogue two strains of this lettuce; one they call just "Wonderful" and the other "New York Special." We carry but one strain and we know by actual test that this strain produces lettuce that is absolutely perfect. Visit our trial grounds and be your own judge. Per package, 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

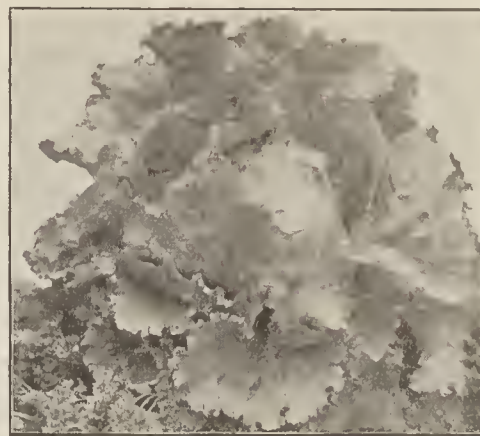
**BIG BOSTON.** A popular light green cabbage variety, grown extensively for the market. Has a particularly fine golden buttery head, slightly tinged with brown. Also called "Trocadero" in Europe. Per package, 5c; oz., 25c; ¼ lb., 85c; lb., \$2.50.

**BLACK SEEDED SIMPSON.** This is the popular variety of Black Seeded Lettuce in Southern California. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**CALIFORNIA CREAM BUTTER, or ROYAL SUMMER CABBAGE.** A popular variety for autumn and winter use. Forms a large head, which is very buttery, and of a rich golden yellow inside. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**EARLY CURLED SIMPSON.** A loose bunching sort, forming no definite head. Is crisp and tender; light green in color. Very hardy and easy to grow. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**HANSON.** A fine, large heading variety. Leaves curled on the edges, light yellowish green in color. The head is crisp and brittle and flavor is excellent. The very best home garden variety in existence, and much the best variety of its class. Allow 12 inches for each head. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



Iceberg

**ICEBERG.** A large, crisp lettuce, always tender. Iceberg stands hot weather remarkably well and is usually sown early in August for fall use. Give each head 15 inches in a row. The color is light green, lightly tinged with brown. Try this either for home or market garden. Per package, 5c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**PRIZEHEAD.** One of the very best loose bunching or non-heading varieties. Leaves brown, very curly, and of remarkably fine flavor. Grows quickly and all except the outer row of leaves are very brittle. It is probably the most easily grown lettuce. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**WHITE PARIS COS.** The best Cos or celery varieties. Forms a large, light green plant with the head well folded and quite solid. Cos lettuce is also called Romaine, and is very popular with our foreign population, and it is highly prized in England and France. The Cos type of lettuce has long, upright leaves with heavy straight midribs. The flavor is different from ordinary lettuces and esteemed by many. Either tie the plants to blanch them or plant them closely, 5 inches apart. Per package, 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

## Cantaloupes

Southern California has an ideal climate for growing of muskmelons and watermelons. Of semi-tropical habits, they grow best in light, warm soil. Plant when the danger of frost has passed, in hills six feet apart each way; thin out to three or four strong plants with ashes, plaster or tobacco to protect them from insects.



Burrell's Gem

**BURRELL'S GEM or DEFENDER.** The best bright orange fleshed melon. The seed cavity is small and the flesh is colored clear to the rind; deeply netted; flavor equal to the best of any. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



Los Angeles Market Lettuce



**EMERALD GEM.** Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

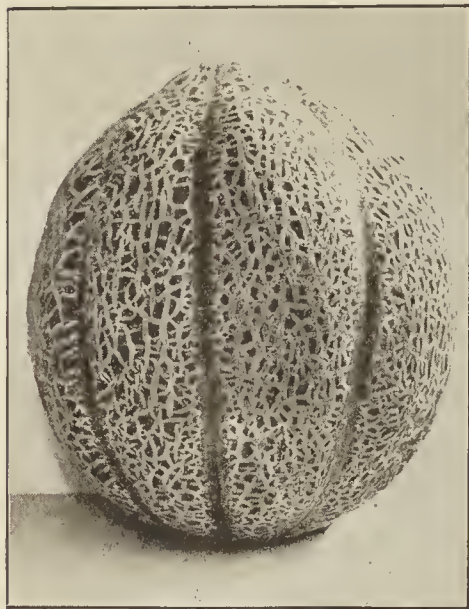
**EXTRA EARLY HACKENSACK.** Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**GOLD LINED ROCKY FORD.** Of a fine uniform shape and without ribs; slightly oval; meat thick, light green, with a light golden yellow rim. Flesh very sweet and spicy. There is no better melon than this. Per package, 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.25.

**GREENLEY WONDER or INDIANA.** Large, globular, salmon-fruited variety, heavily netted and ribbed; excellent flavor. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**HACKENSACK or TURK'S CAP.** The flavor is sweet and delicious, with green flesh. Has flattened ends, thick irregular ribs and coarse netting. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**MONTREAL MARKET.** One of the finest. Flesh firm and sweet; texture the best. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.



Rockyford

**PERSIAN.** Hybrid Muskmelon. This is a large melon, from 8 to 10 inches in diameter, and is heavy for its size. The melons are heavily netted, and are globular. Its color is bright orange. The flavor is different from other melons, and comes out delightfully when the melons are well ripened. Should not be eaten until fully ripe. It is undoubtedly the finest of all muskmelons. Per package, 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.50; lb., \$4.00.

**ROCKY FORD or NETTED GEM.** Grown in great quantities for the market. Fruit is slightly oval, finely netted, and slightly ribbed. Flesh thick, green and of fine quality, spicy, very sweet flavored. Rocky Fords are small to medium sized. Other melons too big to ship for market are often preferred for home gardens. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**TIP TOP.** One of the best known of the deep yellow or salmon-fleshed varieties. The fruits are large, nearly round, slightly ribbed and lightly netted over a light slaty skin; very highly musk-flavored, which many people prefer in a melon. Per package, 5c; oz., 25c;  $\frac{1}{4}$  lb., 85c; lb., \$2.50.

**COLUMBUS.** One of the favorite green-fleshed varieties of the Los Angeles market. It is different from most melons, in that it is perfectly round without ribs. The skin of the ripe melon is of a beautiful shade of light tan and is covered with thick and light colored netting. The flesh is very solid and thick, leaving only a small seed cavity. One of the best shipping varieties. Per package, 5c; oz., 10c; lb., \$1.00.



Golden Beauty Casaba

## Casaba

**HONEY DEW.** These melons, well ripened on the vine, have a delicious flavor and are greatly improved by adding a little lemon juice when eating. The flesh is light emerald green and the color of the skin nearly white, turning to creamy yellow when ripe. The melons slip from the vine when ripe and may be picked just before ripening and stored in a cool place for two months. Per package, 5c; oz., 25c;  $\frac{1}{4}$  lb., 85c; lb., \$2.50.

**GOLDEN BEAUTY.** Early fruits ripen continuously from July until frost comes. Golden Beauty is bright yellow, globular in shape, with wrinkled skin and slightly pointed at stem end. Flesh is pure white and very thick. Per package, 5c; oz., 25c;  $\frac{1}{4}$  lb., 85c; lb., \$2.50.

**WINTER PINEAPPLE.** A fine, late ripening, long keeping variety. The fruits are very solid and heavy, about 10 to 12 inches in diameter. The color is deep mottled sea-green. Per package, 5c; oz., 25c;  $\frac{1}{4}$  lb., 85c; lb., \$2.50.

**IMPROVED HYBRID CASABA.** Deep green and heavily ribbed, of medium size; flesh thick and of a fine quality. Per package, 5c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$2.50.

**SANTA CLAUS.** A very late variety. Oblong mottled yellow and green, flesh light green and of rich flavor. Per package, 5c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$2.50.

## Watermelon

Light, sandy or gravelly soil is necessary for the best watermelons. They seldom do well on heavy adobe or clay soils, and these lands should be avoided when growing watermelons as a farm crop. In the garden, any soil can be made suitable by spading in each hill some well rotted manure and sand or loam.

Plant the seed about the middle of May, in hills about 8 feet apart. Use five or six seeds to a hill and thin out to three plants as soon as the second or third leaf shows. Use about four ounces of seed to 100 hills, or as a farm crop, two to four pounds per acre. A good watermelon is one of the finest fruits on earth. On a hot day there is nothing like a fresh, juicy, sweet watermelon. Some watermelons are much sweeter than others. There is no use in buying an old sort just because you are familiar with the name.

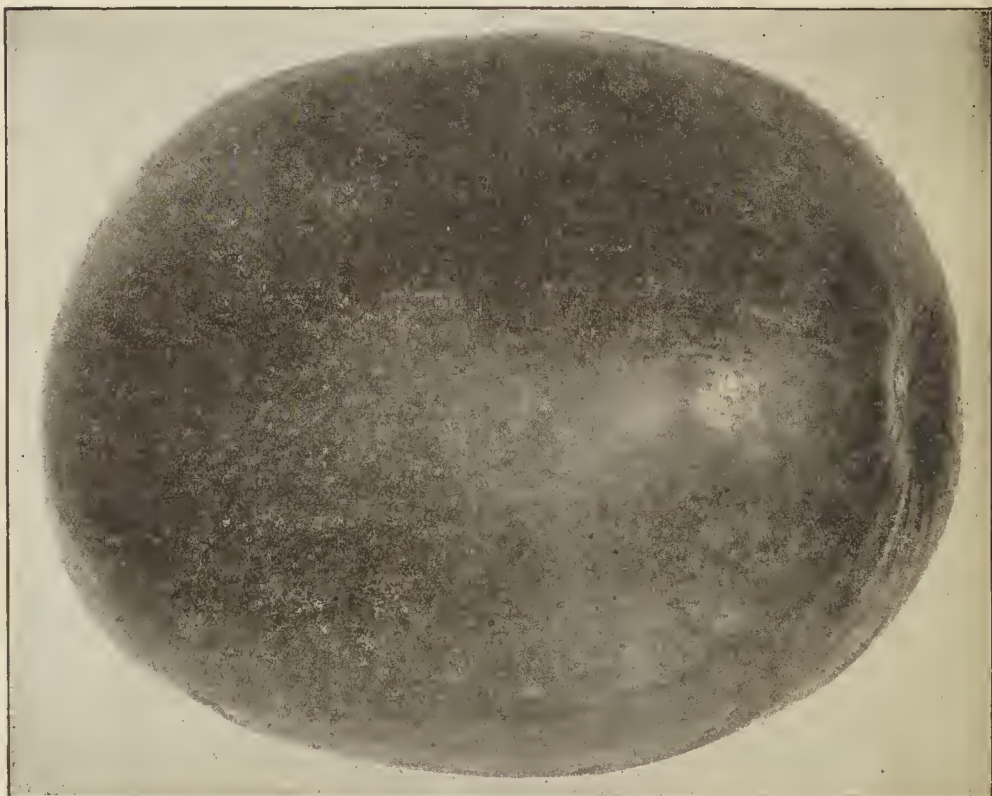
**ANGELINO.** A good all round melon, either for the home garden or shipping. The skin is very dark green, and flesh is bright red and of delicious quality. Soak seed in water an hour or two before planting to increase germination. (Important only for Angelino and Chilian.) Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**BLACK SEEDED ANGELINO.** Many prefer a melon with black seeds. This variety has all of the good points of Angelino, bright red flesh, exceedingly sweet in flavor and of fine texture. Large melon. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., \$50c; lb., \$1.50.

**CHILIAN, WHITE SEEDED.** Description same as Angelino, except for color of skin, which is a deep green with slightly darker stripes. Two of our best melons. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**CHILIAN, BLACK SEEDED.** Some people think a melon does not taste right unless it has black seed, and certainly they sell better at restaurants, etc. Has all of the splendid qualities of White Seeded Chilian and if anything is a trifle earlier. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

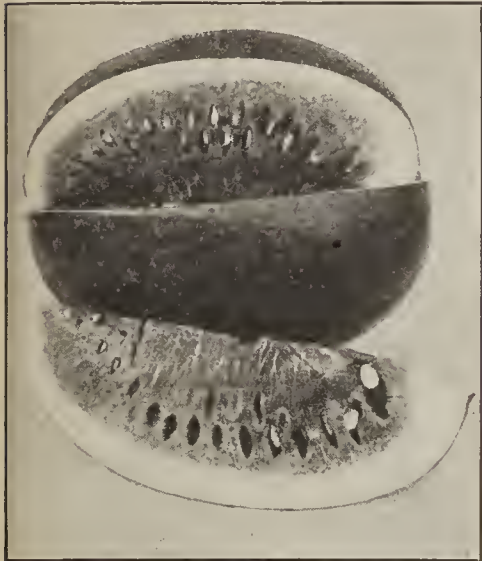
**KLECKLEY SWEETS or MONTE CRISTO.** A very desirable variety for the home garden or nearby market. Fruit medium sized and oval. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.



Angelino Black Seeded



**THE NEW TOM WATSON WATER-MELON.** This large dark green watermelon often weighing 50 to 60 pounds and averaging on good soil over 30 pounds, has in a few years taken place among the first. The flesh is deep red and contains very few seeds firmly bedded; is a good shipper and yields a heavy crop. Our seed is grown for us in the South, where this melon originated and is of the best to be had. Your orders should be sent in early as the demand will be heavy. Per package, 5c; oz., 15c; lb., \$1.25.



Tom Watson

**GEORGIA RATTLESNAKE.** One of the oldest and formerly most popular sorts, and frequently known as "Gypsy." A large, oblong variety, with decided stripes of light and deep green. Rind is tough, but flesh is of medium quality and bright pink. A good shipping and market melon. Per package, 5c; oz., 20c; ¼ lb., 5c; lb., \$1.25.

**KLONDIKE.** Best local variety, good shipper. Very large size. In great demand in Los Angeles markets. Per package, 5c; oz., 20c; lb., \$2.50.

### Mustard

**SOUTHERN CURLED.** Producing enormous bunches of green leaves; excellent for greens. Cultivated extensively in the South. Per package, 5c; oz., 20c; lb., \$1.25.

**NEW CHINESE CURLED.** A large growing kind grown by the Chinese market gardeners; generally very productive. Per package, 5c; oz., 40c; lb., \$4.00.

### Okra

The seed pods resemble a green pepper, only they are ribbed. Used in soups and stews. Sow as soon as the weather is warm enough, in drills two inches deep and three inches apart; keep well cultivated, hilling up when the plants are about a foot high.

**WHITE VELVET.** A favorite variety in the south and in California. Pods are large, slightly ribbed, remain tender a long time, are of good quality. Per package, 5c; oz., 20c; lb., \$1.25.

**EARLY DWARF.** A good market variety; pods long and smooth. Per package, 5c; oz., 20c; lb., \$1.25.

### Garlic

**IMPROVED RED ITALIAN.** Recommended highly for its keeping qualities. An excellent variety. 30c per lb.

### Citron

**RED SEEDED.** Unexcelled for stock feed. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**GREEN SEEDED, or COLORADO PRE-SERVING.** Per package, 5c; oz., 15c; ¼ lb., 35c; lb., \$1.



Prizetaker Onions

## Onion Seed

For general crop, the seed must be sown during the month of January or before February 1, and, if the location is a fairly dry one, it is best to sow about the middle of December. The seed should be sown with a seed drill, in rows 16 inches apart, using four to five pounds of seed per acre. In very weedy land the rows may be 18 to 24 inches apart, when less seed is required.

California grows one-sixth of the onion crop for the entire United States. Most of the onion seed for the country is produced here in California. Our firm specializes in onion seed.

**THE FAMOUS RIVERSIDE SWEET SPANISH ONION.** The unusual mildness and excellent flavor has made this variety remarkably popular, and the demands for it is large in the vegetable markets all over the United States. It is a good keeper, large, thin straw-colored skin, and so mild that it can be eaten like an apple. This onion commands the highest price in the market and should be planted about the first of February, and will mature in August. It was introduced from Spain four years ago, and is the mildest Spanish onion known. Seed is scarce, but it will be profitable to the grower who plants this variety. Per package, 15c; 1 oz., 50c; ¼ lb., \$2.00; 1 lb., \$5.00.

**AUSTRALIAN BROWN.** Early and very hard variety which does especially well in California. The skin is thick and the color is of rich brown. Is especially noted as a long keeper, as it keeps well into spring without sprouting or shriveling, and much longer than other varieties. Per package, 5c; oz., 25c; ¼ lb., 80c; lb., \$2.50.

**EXTRA EARLY RED FLAT.** A very early, flat variety, with dark purplish red skin. Forms a hard bulb; keeps well. Per package, 5c; oz., 25c; ¼ lb., 85c; lb., \$2.50.

**MAMMOTH SILVER KING.** An early, large, white, flat onion; does not keep well. Per package, 5c; oz., 40c; ¼ lb., \$1.35; lb., \$4.

**WHITE PORTUGAL or SILVERSKIN.** The best known and most largely used white onion. Is flat on the bottom and thick toward the top. Very hard and firm. An excellent keeper. Is largely used for white onion sets as well as for bulbs for the best market trade and also for pickles. Per package, 5c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

**YELLOW GLOBE DANVERS.** Our strain of Globe Danvers is especially selected on our farms to give an even ripening crop. The bulbs are all of fairly large size, small at the neck, perfectly and regularly formed. Yellow Globe Danvers is the most popular onion for market and for shipping. Is almost ball shaped but a trifle flattened at both ends. It is a heavy cropper and a good firm variety. Per package, 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

**PRIZETAKER (Denia Onion).** A remarkably large onion. Skin light yellow; flesh sweet; flavor mild. Not a long keeper, but yields enormously; globe shaped. Per package, 5c; oz., 40c; ¼ lb., \$1.50; lb., \$4.00.



Riverside Sweet Spanish



**RED WEATHERSFIELD.** The best known and most widely used red variety. In shape it is flattish, but thick, with very firm flesh. Is hard and an excellent keeper, as well as a heavy cropper. The color is a bright purplish red. Per package, 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

**SOUTHPORT WHITE GLOBE.** The best pure white globe shaped variety. Forms handsome hard onions with wax-like flesh. Per package, 5c; oz., 35c; ¼ lb., \$1.25; lb., \$3.50.

**SOUTHPORT YELLOW GLOBE.** A fine, orange-yellow, globe shaped variety, of best keeping and shipping quality. Per package, 5c; oz., 30c; ¼ lb., \$1; lb., \$3.



Southport White Globe

**YELLOW DANVERS.** This is the best known and the most generally used flat, yellow onion. It is extra hardy and a very heavy yielder. Color bright orange yellow; flesh white and firm. A good keeper, fairly early and of good size. It is also a good variety for transplanting to get early onions. One of the standard varieties on the San Francisco market. Per package, 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.

### Onion Sets

**BROWN OR YELLOW,** September to May. 25c per lb.; by mail, 35c.

**ONION MULTIPLIERS.** 30c per lb.; by mail, 35c.

**SHALLOTS.** 30c per lb.; by mail, 35c.

### Parsley

Sow all the year round in drills 1 inch deep and 1½ feet apart; grows in deep rich soil.

**DOUBLE CURLED.** Fine for garnishing and for flavoring. Per package, 5c; oz., 20c; lb., \$1.50.

**PLAIN LEAVED PARSLEY.** An old variety preferred by many to the curled on account of its fine flavor. Per package, 5c; oz., 20c; lb., \$1.25.

**HAMBURG or TURNIP ROOTED.** A plain leaved variety, forming a large, thick edible root. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

### Parsnips

Sow early in the season in rich loam in drills ½ inch deep and 15 inches apart; cover the seeds with extra light soil, as they have some difficulty in coming through the ground if it is a trifle heavy.

**HOLLOW CROWN.** The standard variety for home or market use. Per package, 5c; oz., 20c; lb., \$1.75.

## Peas

Will grow in almost any soil. Well decomposed stable manure and bone dust are excellent fertilizers. For peas, deep plowing is essential. Plant them almost all the year round, taking a well drained soil and sunny exposure for winter peas. Usually they are planted in double rows four feet apart and two inches deep.

**AMERICAN WONDER.** A dwarf or short vine variety, growing about 12 inches tall, bearing short, well filled pods, very early. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**LAXTONIAN.** This is an ideal market and home garden pea, medium dwarf in habit of growth, but with very large pods, averaging 5 to 6 inches in length. Laxtonian seldom has any blank spaces in the pods. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

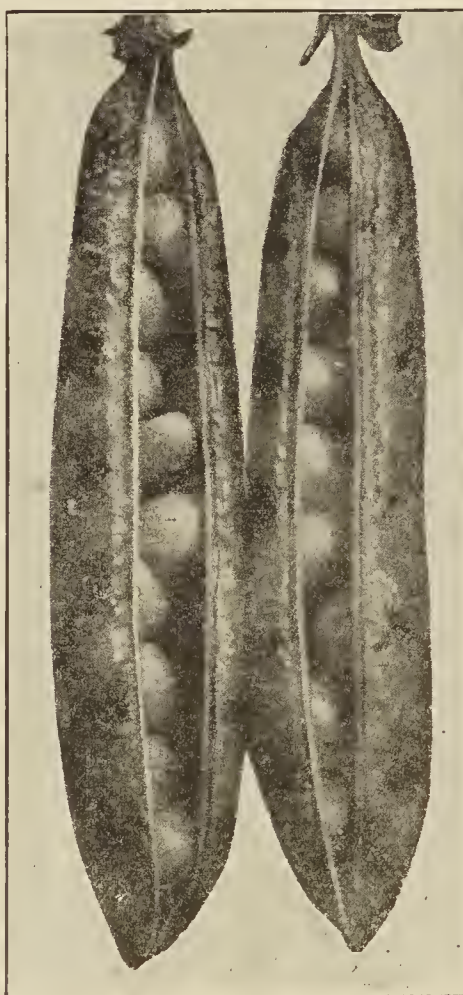
**GRADUS or PROSPERITY.** Has the finest flavored peas of all. Tall, light vine, matures early. Peas and pods large size; eight to ten peas in a pod. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**ALDERMAN.** A pea similar to Telephone, but more prolific. The vine is extra vigorous and the pods are dark green and always well filled with fine large peas. This is the very finest and best pea of this class. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**ABUNDANCE.** Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**McLEAN'S ADVANCE.** Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**DAISY or DWARF TELEPHONE.** We can highly recommend the Daisy for fall planting. Height, about 2 feet, and vines completely covered with large, full bearing pods. Does extremely well in California. Per package, 10c; lb., 35c; 10 lbs., \$3.00.



Alderman Peas

**CHAMPION OF ENGLAND.** An old favorite. Very late; vine very tall and strong. Pods moderate size. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**IMPROVED SENATOR.** Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**MELTING SUGAR or EDIBLE POD.** A tall variety bearing large, flat brittle pods. These are sweet and are cut or broken and cooked like string beans. Is a delicious vegetable and should be better known and more generally used. Per package, 10c; lb., 40c; 10 lbs., \$3.50.

**EARLY SNOWDROP.** Per package, 10c; lb., 40c; 10 lbs., \$3.50.



Dwarf Telephone

**STRATAGEM.** A semi-dwarf variety with large leaves and large pods. The vines bear well and the pods are long, thick, deep green and well filled. This variety has a tendency to run out or revert to a small podded type, and many stock of Stratagem offered contain many small podded plants. We offer an especially fine strain, free from small pods. Our re-selected strain. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**TELEPHONE.** Is tall and large; wrinkled peas of fine quality; large pods. Foliage is of pale green color and quality of the very best. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

**YORKSHIRE HERO or ALAMEDA SWEETS.** A very hardy and prolific, semi-dwarf, late, wrinkled variety. The peas are large and of fine quality. Per package, 10c; lb., 35c; 10 lbs., \$3.00.

### for Beautiful Flowers

Feed them Vigoro. It contains all the elements needed for large, richly colored blooms and dark green, luxuriant foliage. Clean, odorless, easy to use, and inexpensive. Order enough for everything you grow.

**VIGORO**  
Complete plant food

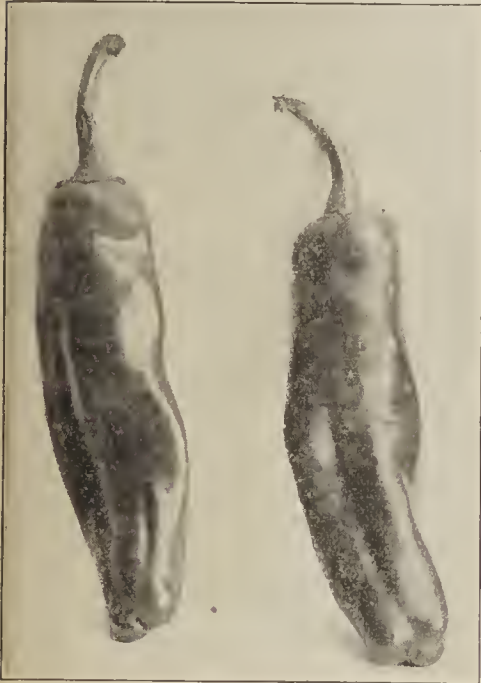




## Peppers

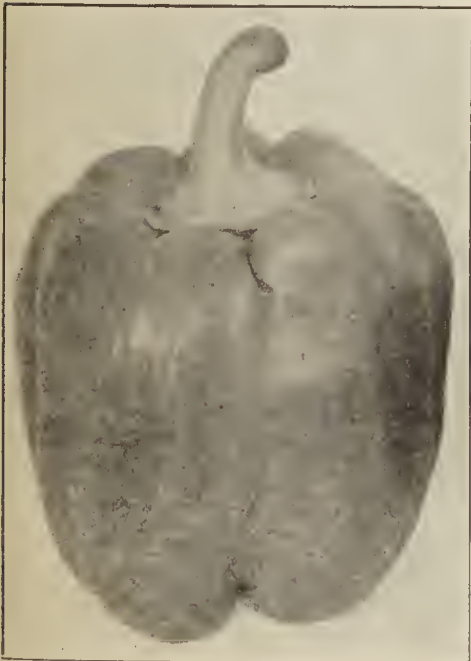
There are varied uses for the peppers, and while they are more popular in the South among the Spanish and Mexican people, they are used very largely by all who like strong, hot condiments. The several varieties are used for stuffing, when green for pickles, for pulverizing when dry, and for soups, etc. There are two distinct flavors, according to the variety, one hot and one sweet.

Peppers do best in hot climates, but can be grown quite successfully in most places of any ordinary soil. The seed germinates slowly and should be started in boxes, and the young plants transplanted after all danger of frost is over. Set in 18 inch rows.



Anaheim Chili

**ANAHEIM CHILI.** This pepper is largely grown in Orange County, and is used dried and for canning. It is long, 7 inches or so, medium sized in width, and is thick fleshed. The flavor is mild for a chili pepper and liked by Mexicans and Americans alike. Per package, 5c; oz., 60c;  $\frac{1}{4}$  lb., \$1.65; lb., \$5.50.



Chinese Giant



Ruby King

**CHINESE GIANT.** A very large, deep red variety, very thick and blunt. It is fully twice as large as Large Bell, or Bull Nose, being four to five inches thick at the top and about 6 inches long. Plants are not prolific bearers. Per package, 5c; oz., 80c;  $\frac{1}{4}$  lb., \$2.70; lb., \$8.

**MEXICAN CHILI.** In a class by itself, on account of its extreme pungency. Per package, 5c; oz., 45c;  $\frac{1}{4}$  lb., \$1.65; lb., \$4.50.

**LARGE BELL or BULL NOSE.** Fruit large, round and blocky, and about 3 inches long and two inches thick. The color is deep green when fruit is young, but when fully ripened it is a rich, glossy blood-red. Plant grows about 2 feet high. Per package, 5c; oz., 70c;  $\frac{1}{4}$  lb., \$2.35; lb., \$7.

**LONG RED CAYENNE.** A strong, pungent variety, having long pointed fruit, which is bright scarlet when ripe. A well known and popular variety. Per package, 5c; oz., 80c;  $\frac{1}{4}$  lb., \$2.70; lb., \$8.

### THE WORLD'S NEWEST VEGETABLE

## TOPEPO

(Tomato-Pepper)

A CROSS BETWEEN THE STONE  
TOMATO AND BELL PEPPER  
(Original strain of J. F. O'Keefe)

The TOPEPO is superior to the pepper for stuffing, baking, salads, gravies, etc. Fruit shaped like tomato—large in size, beautiful in colors—red, yellow, green, and orange.

Firm, thick walls, giving exceptional keeping qualities.

Plant seed in hot beds, covering with very little soil; after sixty days and danger of frost is over, transplant in rich soil about three to four feet apart; the plants bear heavily and for a comparatively long season, although rather slow to start.

It is advisable to use well rotted manure after plants have been transplanted and have been growing about thirty days; this will develop and produce large Topepos.

Packets, 25c

PICK WHEN RED OR YELLOW  
COLORS PREDOMINATE

**PIMIENTO.** This is a sweet pepper good for salads, either fresh or canned. Used largely by canners and market gardeners. Very thick flesh; mild flavor. Per package, 5c; oz., 60c;  $\frac{1}{4}$  lb., \$2; lb., \$6.

**RED CHILI.** A rather small, bright red variety, about 2 inches long and pointed. The pods are used in making chili sauce, and very pungent and hot. Per package, 5c; oz., 80c;  $\frac{1}{4}$  lb., \$2.70; lb., \$8.

**RUBY KING.** A popular variety of the Bell or Bull Nose type. The fruit is large, dark green while young, turning to bright glossy red when ripe, and the flavor is mild and sweet. A desirable variety for slicing in salads and for stuffing. Per package, 5c; oz., 70c;  $\frac{1}{4}$  lb., \$2.35; lb., \$7.

**SWEET MOUNTAIN or SPANISH MAMMOTH.** It is a late variety, bearing large thick fruit, which is frequently 8 inches long and 2 to 3 inches in diameter. When mature it is a deep glossy red, and the flavor is mild and sweet. Per package, 5c; oz., 70c;  $\frac{1}{4}$  lb., \$2.35; lb., \$7.

**SWEET UPRIGHT.** A large thick variety, with mild, sweet flesh. Per package, 5c; oz., 80c;  $\frac{1}{4}$  lb., \$2.70; lb., \$8.

## Pumpkins

Plant early in the season in hills eight feet each way; thin out to three or four strong plants; keep them from any other vining plants, such as melons, for they are apt to become mixed.

**CALIFORNIA FIELD.** The well-known, ordinary pumpkin, largely used for stock feeding. The fruit is variously colored, in yellow, drab, red and orange, and varies also in size, but is usually very large. Is a heavy cropper and very early grown. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 35c; lb., \$1. Write for prices on larger quantities.

**LARGE CHEESE or KENTUCKY FIELD.** A large, flattened pumpkin, averaging about 2 feet through. When ripened the skin is a rich cream color. Flesh yellow and of fine quality. Some customers claim that this variety is not susceptible to the ravages of the squash bug. Per package, 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**MAMMOTH GOLDEN CUSHAW.** One of the best stock feeding pumpkins. Is solid, yellow crookneck sort and is nearly all flesh, having a very small seed cavity. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**GREEN STRIPED CUSHAW.** Mammoth heavy yielding cattle pumpkin, used largely in the San Joaquin Valley. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**MAMMOTH KING or POTIRON.** Skin reddish yellow in color, and flesh rich orange. It runs very uniform in shape and color, and all are of immense size. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**PIE PUMPKIN.** A small, round yellow sort with fine, pinkish netting. Flesh is thick, sweet and of excellent quality. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**SMALL SUGAR or NEW ENGLAND PIE.** A small round pumpkin of excellent quality. The flesh is rich yellow, very thick and sweet, and the skin is deep orange. We recommend this variety as the best for pies. Per package, 5c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.



Sugar or New England Pie Pumpkin



## Rhubarb

Rhubarb when grown in good, rich soil, will produce enormous stalks in great profusion, especially during the first two years. When the plants are two years old, it is advisable to dig them up, separate them and reset them in another part of the garden, using soil that has been fertilized at least six months in advance.

**PANAMA RHUBARB.** Average stem is 1½ feet long and weighs ¼ lb. This splendid Rhubarb sends up its stalks very early, like the Crimson Winter from which it is derived. The stalks are double the size of the Crimson Winter, which they otherwise resemble. Roots, 35c each; dozen, \$3.50.

**CRIMSON WINTER.** A variety of fine flavor. Produces small, crimson stems very early in winter and spring and continues bearing till late. Per package, 15c; oz., \$1.50; ¼ lb., \$5; lb., \$15.

**STRAWBERRY RHUBARB.** Roots only. 20c each; dozen, \$2.00.

**WAGNER'S GIANT or CRIMSON WINTER.** An older variety of good marketing quality. Per package, 15c; oz., \$1.50; ¼ lb., \$5.00; lb., \$15.00. Large two year old roots, 20c each.

## Radish

Sow almost all the year round, broadcast in beds, or in drills 12 inches apart; thin out by using the largest ones which seem of sufficient size for table use. Keep well watered and if grown in summer select a shady spot.

**CHARTIER.** A very long variety and larger in diameter and general size than Long Scarlet. Color bright rose with lighter colored tip. Per package, 5c; oz., 20c; ¼ lb., \$1.25.

**CHINESE ROSE WINTER.** A bright scarlet winter variety. About 4 inches long and stump rooted. Per package, 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**CHINESE WHITE WINTER or CELESTIAL** (California Mammoth White Winter). The well known and popular winter variety. Clear white, about 4 inches long and half stump rooted. Keeps firm and crisp until it runs to seed. Is a good cooking variety, and when cooked the flavor resembles turnip. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.



Early Scarlet Turnip Radish

**CRIMSON GIANT FORCING.** The best large solid radish; very crisp. The roots are top shaped, 1¾ inches in diameter, and remain solid. Superb sort for every garden. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**EARLY SCARLET TURNIP.** A valuable variety for forcing or outdoor culture. Is a small, turnip shaped variety and in color entirely crimson. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.00.

**EARLY SCARLET GLOBE.** A popular forcing variety, owing to its very quick growth and fine, bright scarlet color. Shape a trifle oblong. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**FRENCH BREAKFAST.** Color bright rose, with bottom of root and the tail pure white, about 2 inches long. A very attractive variety. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**ICICLE.** A handsome white variety, about 5 inches long, with sloping top and pointed root. Quick growing, brittle and mild in flavor. Icicle is early and very desirable for a home garden. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**LONG BLACK SPANISH.** A winter variety with almost black skin and white flesh. Roots about 6 inches long. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



Crimson Giant Radish

**HALF LONG.** The variety most largely used by gardeners in California. It is about 3 inches long, with tapering root and sloping top. Color carmine. Quick growing, hardy. Remains solid longer than most other varieties. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**LONG SCARLET.** The best known and most popular long variety. Color bright carmine and flesh brittle and firm. About 6 inches long, the top growing out of the ground about 1 inch. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**LONG WHITE JAPANESE.** A new winter variety, growing frequently 2 feet long and about 3 inches in diameter. Skin white, flesh solid and tender, very pungent. Seed imported from Japan. Worthy of a trial. Per package, 5c; oz., 30c; ¼ lb., \$1; lb., \$3.

**SCARLET TURNIP WHITE TIPPED or ROSY GEM.** One of the most popular and attractive short varieties. It is globe shaped, bright rose carmine with bottom and tip clear white. Stems and leaves small. Very valuable for forcing as well as for the garden and market. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**WHITE VIENNA or LADY FINGER.** Per package, 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

## Spinach

An easily grown plant, the seed of which may be planted in the fall to secure better spinach early in the spring or even throughout the winter. The better and richer the soil, the larger and more tender the leaves will be. As a field crop for the market garden use 8 pounds of seed per acre; for the home garden use one ounce for 100 feet of row.

**BLOOMSDALE SAVOY.** The variety most generally used in the East and especially throughout the South for shipping. Leaves large, round and thick, very much savoyed and rich deep green. One of the earliest varieties. Seed round. Per package, 5c; ¼ lb., 25c; lb., 60c.

**LONG STANDING.** A deep green variety with rather elongated smooth leaves. Seed round. Stands a long time without running to seed, even in hot weather. Per package, 5c; ¼ lb., 30c; lb., 85c.

**NEW ZEALAND.** A plant with thick, fleshy texture and soft crystalline leaves. Is not like the ordinary spinach in appearance, and will stand heat well. Per package, 5c; ¼ lb., 75c; lb., \$2.25.

**PRICKLY.** The variety commonly used for market in California. Is very hardy and easily grown; bears large, smooth leaves, which are shaped like an arrow point. A fine winter and spring variety. Per package, 5c; ¼ lb., 25c; lb., 75c.

**ROUND, THICK LEAVED.** A large leaved, bright green variety. Leaves rather smooth and rounded at the top. A good variety for late spring and summer. Seed round. Per package, 5c; ¼ lb., 25c; lb., 75c.

## Salsify or Vegetable Oyster

Sow in deep, rich loam, in drills twelve inches apart; thin out to three or four inches. Its culture is the same as that recommended for carrots.

**MAMMOTH SANDWICH ISLAND.** Produces a large crop of long, smooth roots. Per package, 5c; oz., 25c; lb., \$2.50.

## Squash

Prepare the soil and sow the same as for cucumbers and melons. Sow the bush varieties in hills four feet apart; the running varieties eight feet apart.

**EARLY WHITE BUSH SCALLOPED.** The best early variety for our climate; very productive and excellent for the market. Round, flat with scalloped edges; skin white and flesh of excellent flavor. Per package, 5c; oz., 15c; lb., \$1.25.

**WINTER CROOK-NECK.** A fine variety for pies. Per package, 5c; oz., 15c; lb., \$1.00.

**YELLOW CROOK-NECK, SUMMER.** Skin yellow, thin, hard and warty. A very early, prolific variety with curved neck. Per package, 5c; oz., 15c; lb., \$1.50.

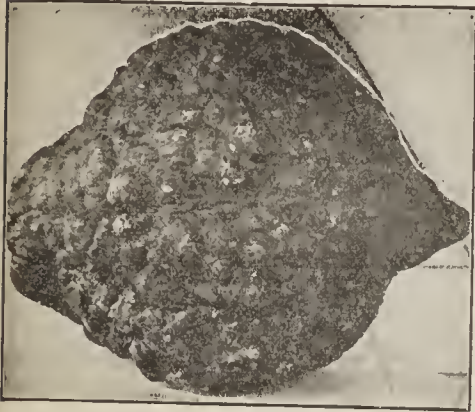
**BOSTON MARROW.** A late variety, mottled; deep orange and cream colored. Very productive and a good keeper. Per package, 5c; oz., 15c; lb., 80c.

**SIBLEY or PIKE'S PEAK.** A distinct variety. Considered by many superior to the Hubbard. Per package, 5c; oz., 20c; lb., \$2.

**FORDHOOK.** Fruit oblong in form and about 10 inches long; slightly ridged, yellowish skin. The flesh is very thick and light straw color, and the vines are very strong and vigorous; often used for covering fences; a very desirable variety of squash. Per package, 5c; oz., 15c; lb., \$1.25.



**HUBBARD.** One of the most popular old varieties; bluish green on the outside and very hard; very dry flesh, rich and sweet. Per package, 5c; oz., 20c; lb., \$2.



Hubbard Squash

**GOLDEN HUBBARD.** Skin orange red in color; flesh deep orange and of excellent flavor. A new variety, likely to become very popular. Per package, 5c; oz., 20c; lb., \$2.

## Tomatoes

Sow the early varieties about the 15th of August in shady places. Keep the little seedlings in good, healthy condition; transplant about the middle of September, in rows five feet apart, and keep them well watered and hoed. The growing of early or winter tomatoes can only be done in favorable locations. Other varieties sown about the first of the year in frames or hotbeds, protected from late frosts; plant out and cultivate the same as the earliest varieties.

The main cause of failure in growing tomatoes, especially in the small home garden, is due to the frequent sprinkling that these plants receive. There is only one way to water tomatoes. That is by irrigation. When tomatoes are sprinkled, especially when they are in bloom, the pollen of the flowers is scattered, making it impossible for the fruits to form.

When tomatoes have been grown for a number of years in the same soil, it is advisable to secure a commercial fertilizer which contains a large percentage of potash. The absence of potash in the soil is one of the causes of the fruit dropping off.

Tomatoes should not be irrigated very much after the fruit begins to form. The fruit is much sweeter and firmer if water is used sparingly.

**ACME.** A popular variety; dark purplish red in color. Per package, 5c; oz., 40c; lb., \$4.

**SAN JOSE CANNER.** This splendid tomato was introduced early in 1914. The true stock is unsurpassed for heavy yield, solidity, good canning, marketing, and shipping qualities. The premier tomato throughout most of California. Some parties have named a big round tomato San Jose Canner which is an entirely different thing. Per package, 15c; oz., 65c; ¼ lb., \$2.00; lb., \$6.50.

### WHAT JOE PELOUS SAYS ABOUT SAN JOSE CANNER TOMATO:

"I have had wonderful success and good returns from the San Jose Canner Tomato. Seed purchased from the Winsel-Gibbs Seed Co. I sold my whole crop to the American Fruit Growers Association, who paid me a high price on account of the tomatoes being of uniform shape and color. My lowest harvest was 140 packing boxes of 38 pounds each to the acre."

**GOLDEN QUEEN TOMATO.** A real good yellow sort; first class quality for table use. The golden slices make a beautiful contrast with the red sorts. Per package, 10c; lb., \$5.

**GROUND CHERRY.** Entirely different from other tomatoes, as the fruit is very small and round and is enclosed in a husk; is excellent for preserves and is used almost entirely for this purpose. Per package, 10c; lb., \$5.



Tree Tomato

**MATCHLESS.** A fine one for canning; large and smooth. Per package, 5c; oz., 40c; lb., \$4.

**NEW JUNE PINK TOMATO.** One of Johnson & Stoke's great tomato novelties. It can be called Pink Earliana, as it differs from that variety only in its color, which is a bright pink instead of red. The plant is very compact and branches freely. The fruit hangs in clusters; one of the most desirable pink tomatoes on account of its earliness and heavy yielding, also its excellent shipping qualities. It resists the blight better than any other variety. Per package, 5c; oz., 40c; lb., \$4.

**PONDEROSA, or BEEFSTEAK.** One of the largest in cultivation. Smooth and solid. Per package, 5c; oz., 60c; lb., \$6.

**CHALK'S EARLY JEWEL.** An extra early sort; smooth, round and bright scarlet; very productive. It is fine in color, form and solidity and other essential qualities. Fruit grows in clusters, containing very few seeds. Per package, 5c; oz., 40c; lb., \$4.

**SPARK'S EARLIANA.** The best extra early sort, smooth, round and bright scarlet; very productive. It has no equal in formation and quality; has proved very remunerative to grower's market. Grows in clusters from five to eight, fruiting clear to the stem, and does not crack. Per package, 5c; oz., 40c; lb., \$4.

**STONE.** One of the most reliable tomatoes; of large size and of good quality and form; apple shaped; deep red in color; bearing clumps of red fruit, which is extra heavy. Per package, 5c; oz., 40c; lb., \$4.

**TREE TOMATO or DWARF CHAMPION.** So called from growing in treelike form and extremely solid and of excellent quality. We especially recommend this variety for the family garden, as it is easier grown and will produce more tomatoes on a given space than any other variety because it does not vine, but grows in a compact form, resembling the dwarf apple trees, fruits being the same size as an ordinary apple. 25c a dozen, or \$1.50 per hundred.

## Tomato Plants

We can furnish tomato plants almost all the year round, beginning in February with Tree Tomatoes, Earliana, Stone, and other early sorts, and later in the season Beefsteak Tomatoes and all other leading varieties. Earliana and Stone for winter planting. Price, 25c a dozen, or \$1.50 per hundred.

Customers that are located more than seventy-five miles from Los Angeles we advise to raise their own tomato plants. It is almost impossible, even with the utmost of care, to pack these tender plants so that they will arrive at such distance in good shape.



San Jose Canner Tomato

**CHAYOTE (Sechium Edule).** A South American variety of Squash making a tremendous vine that is fine for covering fences, buildings and trellises. The Chayote is a tremendous grower and produces a very large crop of fruit during the season. The fruit averages about five inches in length and is about two and a half inches thick and weighs about one pound. This fruit can be prepared in a number of ways. It can be fried as Eggplant, stewed as Squash or used as a salad. It is greatly relished when the roots are prepared as Sweet Potatoes.

The fruit contains but one seed, and generally the entire fruit, seed and all, is planted. We supply these fruits from November to January 1st at the rate of 10c each. By mail, 15c each. From January 1st through the Spring we furnish the plants of Chayote in pots at 25c.





Purple Top Turnip

## Turnips

Turnips grown quickly, so that they are tender, make a delicious vegetable. The home gardener can give them easily that extra care needed to bring them to perfection. The requirements are for a rapid, uninterrupted growth, and for moist, well worked soil. In Alaska turnips reach perfection, and all over our coast they are excellent. Sow in early spring and again in August. This latter gives roots for winter. Put the rows 12 to 18 inches apart, and thin to 5 to 8 inches. Do not transplant except when very young and that should not be necessary. One ounce of seed sows 250 feet of row.

**AMBER or YELLOW GLOBE.** Skin a clear yellow; is of large size and fine flavor. Per package, 5c; oz., 20c; ¼ lb., 35c; lb., \$1.

**EARLY SNOWBALL.** A medium, pure white, globe shaped variety. Very solid and of finest quality for table. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**EARLY WHITE FLAT DUTCH.** A medium sized flat variety; clear white, early and of fine flavor. A fine table variety. Per package, 5c; oz., 20c; ¼ lb., 35c; lb., \$1.

**EXTRA EARLY PURPLE TOP MILAN.** A very early variety, medium sized, very flat, and white with purple top. Per package, 5c; oz., 20c; ¼ lb., 65c; lb., \$1.50.

**LONG WHITE or COWHORN.** A long, pure white variety, resembling a white carrot. The flesh is tender and sweet and it is quite popular as a market variety on this account. Per package, 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**ORANGE JELLY or GOLDEN BALL.** A globe shaped, yellow variety with firm and crisp yellow flesh. A very fine table variety. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**PURPLE TOP WHITE GLOBE.** Flesh white, firm and tender. Per package, 5c; oz., 20c; ¼ lb., 35c; lb., \$1.

**PURPLE TOP FLAT DUTCH.** One of the most largely used varieties. Flat with purple top. Per package, 5c; oz., 20c; ¼ lb., 35c; lb., \$1.

**WHITE EGG.** A small, early, oblong variety. Per package, 5c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**RUTABEGA or SWEDE.** These are grown usually for stock feeding and make an excellent and valuable crop. Treatment same as for winter turnips, but require a longer season to grow. The seed should be planted early in July in rows at least 2½ feet apart and the plants thinned to 8 to 12 inches apart. Per package, 5c; lb., \$1.25.

**AMERICAN PURPLE TOP or LONG ISLAND.** One of the best and most popular varieties, with yellow flesh. It is yellow below ground, with purple top above, and the leaves are small. A good stock feeding or table variety. Per package, 5c; oz., 20c; ¼ lb., 35c; lb., \$1.

**YELLOW PURPLE TOP SWEDE.** Per package, 5c; oz., 20c; ¼ lb., 35c; lb., \$1.



Purple Top Strap Leaf

## Seed Potatoes

All of our stock is from Certified Fields which means that all hills are true to their type and variety. They have all been carefully rogued and not only all the mixtures taken out, but all the weak hills too. This insures uniform stock.

Where soil is rich and deep, potatoes may be planted as close as 12 or 14 inches in the row, with rows 24 inches apart, but of course where they are planted in larger acreages, cultivation will have to be done by horse labor, and the rows should be about 36 inches apart.

In coast regions of California, planting may begin in early winter months, but in most districts February to March is best. Second crop plantings are usually begun in July. Early potatoes require about 75 to 90 days for a matured crop, while late varieties will take from 110 to 130 days, according to variety and district. Prices given are subject to market fluctuations.

All potatoes are prices F. O. B. Los Angeles, but where small quantities are required by mail, add extra postage at the rate according to the zone you live in from Los Angeles. Zone rates will be found on inside of front cover. Prices subject to change without notice.

**BRITISH QUEEN.** This is the best potato for most sections of California. Our strain came from England and has had constant hill selection ever since, giving us a very prolific and disease resisting potato, which stands alone on its merits in this state. It is oval in shape and has cream skin with white flesh. Very shallow eyes. Can be planted as an early potato and dug while tops are green, although in many sections it is planted as a main crop variety. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.15; 50 lbs., \$2.50; 100 lbs., \$5.00.

**AMERICAN WONDER.** This stock has been hill selected for years until it really does not resemble the ordinary American Wonder potato. They come in good uniform type and are excellent for light soils and can be planted very close together. Matures in about 100 days. Can highly recommend this variety. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.15; 50 lbs., \$2.50; 100 lbs., \$5.00.

**WHITE ROSE.** This is the long, white skinned variety used so much in the south. Matures very early. A wonderful good cropper and cooker. Our strain is of the very best picked stock. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.15; 50 lbs., \$2.50; 100 lbs., \$5.00.

**WHITE BURBANK LOW TOP.** Certified stock of this well known, oblong, smooth skinned potato, a main crop variety. Very heavy yielder. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.15; 50 lbs., \$2.00; 100 lbs., \$5.00.

## Water Cress

**FINE CURLED (Pepper Grass).** For lending piquancy to salads this variety is unsurpassed. Per package, 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

## Aromatic, Medicinal and Pot Herbs

**ANISE.** Per package, 10c; oz., 35c.  
**BALM.** Per package, 10c; oz., 60.  
**BASIL, SWEET.** Per package, 10c; oz., 50c.  
**BORAGE.** Per package, 10c; oz., 50c.  
**CARAWAY.** Per package, 10c; oz., 25c.  
**CATNIP.** Per package, 10c; oz., \$1.0.  
**CHIVES.** Per package, 10c.  
**DILL.** Per package, 10c; oz., 25c.  
**FENNEL, SWEET.** Per package, 10c; oz., 75c.  
**HOREHOUND.** Per package, 10c; oz., 75c.  
**LAVENDER.** Per package, 10c; oz., 70c.  
**ROSEMARY.** Per package, 10c; oz., \$1.  
**SAGE.** Per package, 10c; oz., 75c.  
**SORREL.** Per package, 10c.  
**SUMMER SAVORY.** Per package, 10c; oz., 75c.  
**SWEET MARJORAM.** Per package, 10c; oz., 75c.  
**WINTER SAVORY.** Per package, 10c; oz., 75c.  
**TANSY.** Per package, 10c; oz., 85c.  
**TARRAGON, RUSSIAN.** The true Tarragon does not seed, but what is offered is Russian Tarragon and highly flavored. Per package, 15c.  
**TRUE TARRAGON.** In plants only, 75c ea.  
**THYME.** Per package, 10c; oz., \$1.25.  
**WORMWOOD.** Per package, 10c; oz., 65c.

Insure Success in  
Your Gardening

BY USING

**VIGORO**

*Specially prepared plant food*



# Treatment of Insects and Diseases in the Garden and Orchard

High quality fruits and flowers are borne on clean trees and plants

## Citrus

**BLACK, YELLOW, PURPLE AND CITROLA SCALE.** 1 pound rosin spray to 3 gallons of water.

**MEALY BUG.** 1 part Mystic to 50 parts water.

**REDSPIDER.** Calispray No. 81. Destruxol Emulsion can also be used to kill these pests. Evergreen spray.

## Apple

**SCAB.** Spray with lime sulphur, 1 gal. to 40 gal. water, when blossoms show pink; 2nd spraying when blossoms are falling; 3rd spraying 3 weeks later.

## Pear

**PEAR PYSLIA.** Lime sulphur, 1 lb. to 12 gal. of water, just before the blossoms separate to cluster, to kill the eggs.

**PEAR SCAB.** Spray with 1 gal lime sulphur to 50 gal water.

## Plum

**BROWN ROT.** Lime sulphur, 1 lb. to 15 gal. water, just before the fruit begins to ripen.

**SCALE.** 1 part Mystic to 50 parts water. Rosin spray Volck.

## Peach

**LEAF CURL.** 1 lb. to 12 gal. water before the buds begin to swell.

**SAN JOSE SCALE.** Spray while trees are dormant. 1 lb. lime sulphur to 12 gals. water.

## Cherry

**BROWN ROT.** Lime sulphur, 1 gal. to 50 gal. of water, just before the fruit begins to ripen.

## Rose Bushes

**MILDEW OR CURLY LEAF.** Dust with Calispray No. 83 (Nicotine Sulphur) or Destruxol.

**SCALE ON ROSES.** Spray with Rosin Spray, Mystic Spray, Volck, and also Nicotina.

## Shrubbery in General

**APHIS AND BLACK SCALE.** Use same as for roses.

**BROWN SCALE, Yellow, Purple Scale, Mealy Bug or Red Spider.** Use 1 part of Mystic to 50 parts of water. Rosin spray.

## House Plants

**FERNS, Aspidistra, Kentia, Ficus and similar plants.** Use Mystic Spray.

## Vegetables

**SQUASH BUGS, BEETLES, ETC.** on Melons, Cucumbers, Tomatoes and Squash. Dust with Calispray No. 81 (nicotine and lead arsenate).

**APHIS** on Cabbage, Kale, Lettuce. Spray or dust with Nico-Dust.

**CUT WORMS** on vegetables and plants in general, mix one pound of Paris Green to 10 pounds bran; mix well and scatter all over ground. El Rey Snail Poison.

**GRASS HOPPERS** can be kept off by the same remedy.

**VEGETABLE AND FLOWERING PEAS, GREEN BEANS AND WINDSOR BEANS** should be dusted with Calispray No. 1 (nicotine sulphur) as soon as they are 6 inches out of the ground; a second dusting when they begin to blossom.

## Miscellaneous

**SOW BUGS.** One pound of Rye flour, one teaspoonful Paris Green, two teaspoonsful of sugar. Mix thoroughly and place on a board among plants. Replace often.

**MEALY BUG.** Use Mystic, 1 part to 50 parts water.

**ANTS.** Use Fresnol Ant Poison and Antrol.

**EVERGREEN SPRAY.** For killing aphids of all types on rose bushes and dahlias. Absolutely non-poisonous. Will not discolor or burn the flowers. 1 oz., 25c; 6 oz., \$1.00.

**FRESNOL ANT POISON.** One of the best ant poisons on the market. Will kill all types of sweet ant, and also grease ants. 75c Pint, \$1.25 Quart.

**SNAILS.** Use El Rey Snail Poison. Scatter freely over ground around plants. Water down well. Snarol very good. Also a mixture of Acme Calcium Arsenate and Bran can be used. One pound to Six pounds Bran. 1 lb., 30c; 3 lbs., 60c.

**FLIES.** Use Nomore-Fly. For cattle, in dwellings, restaurants, bakeries, etc.

**CHICKEN LICE.** Spray the houses with Dr. Hess's or Dr. La Gear's preparations. Dust the hens with Dr. Hess's Louse Killer.

**GOPHERS.** El Roy Gopher Poison.

**GROUND SQUIRRELS.** Gas balls will help you to get rid of these pests.—Cynogas.

**MOLES.** No use to try poison; a mole eats insects only. Use the Rittenhouse mole trap, \$1.50.

**DIRECTIONS FOR POISONING RABBITS.** Gather 5 pounds of fresh green alfalfa from the field late in the afternoon. The most tender tips should be secured and cut into lengths of 2 to 4 inches. In the evening place small handfuls of the alfalfa in the rabbit trails leading to fields which are being damaged. For cottontails, the baits may be placed near the fields or at points where they are going under a netting fence. For jacks the baits should be placed in the trails from 50 to 100 yards or more away from the green fields where they have been feeding. For jack-rabbits repeat this rebaiting treatment for several nights. For cottontails one night's pre-baiting is sufficient. By doing this you not only get the rabbits used to finding the feed in the trails but it will also give you an indication as to where to place your poisoned baits.

After you have determined where to put the poison and you have the rabbits in the habit of eating the unpoisoned baits, you should prepare the poisoned baits as follows: Gather 5 more pounds of fresh green tender alfalfa tips and spread it out on a newspaper or sack. Over this amount sprinkle one-fourth ounce of powdered alkaloid strychnine dusted on dry from a shaker can. **MIX THOROUGHLY.** Place small handfuls of these baits at points in the trails where rabbits took the unpoisoned baits on the previous nights. Near each alfalfa bait place a teaspoonful of standard poisoned grain so that the kangaroo rats, squirrels, etc., will eat the grain baits and leave the alfalfa baits for the rabbits.

—U. S. Biological Survey.

**WARNING.**—Do not place the poisoned alfalfa within reach of livestock.

## Tree Doctoring

**GUM DISEASES.** Bordeaux Mixture should be applied with brush to affected parts, and the whole tree sprayed with same solution.

**TREE BORERS.** Dig out the borer, disinfect with solution of Bordeaux Mixture, and cut the tree back severely.

**HOLLOW TREES.** Some of our oldest live oaks, covered with beautiful green tops, are hollowed out at the base and expose to the elements the most vital parts, and the very base of the trunk is slowly disintegrating. To lengthen the life of these trees it is necessary to close up these cavities and proceed as follows:

First scrape out carefully all soft and dead wood from inside the cavity. Second, paint the scraped surface with asphalt paint. Third, fill the cavity with concrete. Same can be applied to all other varieties of trees.

**NOTE.**—In cutting large branches and after doing heavy pruning in cases where trees are bruised or barked, use Pruning Compound.

## Shrubs

Twelve assorted varieties of popular ornamental shrubs, admirably adapted to home planting. Enough shrubs to attractively plant any average home, or for filling in bare spots in your present planting. Bushy, well grown specimens, 24 to 30 inches in height. Regular price, \$6. Our selection.

Delivered or packed for shipment

**12 varieties, \$4.50**

## Gladiolus

Bulbs are the finest procurable. Four bulbs each of six named varieties, each variety a distinct and separate color. A valuable consideration in your bulb garden this Fall. Regular \$2.00 collection. Order from October to May.

Postpaid anywhere

**24 bulbs for \$1.25**

## Rose Bushes

"Queen of Flowers." No home can be a home without rose bushes. They lend a charm that can be equaled by no other flower. Thrifty, selected stock. You can specify the color of flowers you desire. Regular price, 75c each.

Delivered or packed for shipment

**6 for \$4.00**

## Sweet Peas

Largest Spencer Flowering types of the most distinct and newest shades. Their fragrance is probably the most exquisite of any flower and their adaptability in any garden is without parallel. Regular price, 25c per packet.

Postpaid anywhere

**6 packets for \$1.00**



# SEVEN NEW NOVELTIES

## of outstanding Beauty

### ZINNIA

#### Pumila or Cut and Come Again

The above type is very desirable for bedding and cut flowers. We offer the following colors: Bright Scarlet, Canary Yellow, Fiery Carmine, Flesh, Golden Yellow, Salmon Rose, a delightful shade, Snowball, and a pleasing Violet.

### COREOPSIS

#### Double Yellow

This is a double Coreopsis selected from the semi-double strain sent out a few years ago. The flowers are immense and while it is not a full double it is a great improvement over the semi-double sent out a few years ago. This selection reproduces itself from seed and throws no single flowers.

### CALENDULA RADIO

#### Improved Strain

A special selection of large flowering, well formed Radio type flowers, borne on long stout stems, a strain which is more suitable for forcing than the original Radio.

25 cents per packet or 6 packets for \$1.00.

### DIMORPHOTHECA

#### Ringens Double

This is a double form of the beautiful single Dimorphotheca with a blue circle around the eye. The crest or double part is grey, not blue. This is rather unique and the crest of petals in the center keeps the flower open all day. The single type closes at mid-day.

### GAILLARDIA BREMEN

Medium size flowers of tangerine-red with yellow margin. A good Gaillardia for cutting purposes. This is a perennial.

### SHASTA DAISY CONQUEROR

A new strain of Shasta Daisy particularly adapted to florists' culture, owing to its vigorous habit and length of stems. Conqueror is as large as Shasta Alaska Daisy and grows on stems 2½ to 3 feet in length. A remarkable strain.

### VERBENA GIGANTEA SALMON PINK

An especially fine shade of pink and a valuable addition to the Gigantea class.

# TWELVE NEW ROSES

## that will delight the rosearian

50c Each

### Dame Edith Helen

Glowing pink, hold color with age. Old Rose scent Mildew and Blackspot resistant. Carried on rigid erect stems, large and full of perfect spiral form, opens well in all weather.

### Talisman

The highest colored rose yet produced, scarlet and gold, with vivid light green foliage, straight stiff stems with cup shaped buds.

### Mrs. E. P. Thom

Slender yellow buds and large well-shaped blooms of bright canary yellow, deepest in center. The plant is of exceptional vigor and blooms freely.

### Cl. Claudius Pernet

Sport of the well known bush variety. Yellow.

### Cl. Golden Emblem

Sport of the famous bush variety.

### Angele Pernet

Brownish orange blooms of excellent shape, semi-double, some fragrance. Plant of moderate, bushy growth and steady bloomer.

### Feu Jos. Looymans

Long pointed buds, large, fairly full flower of yellow, with vivid apricot tints. Growth strong, straight bushy.

### Etoile de Feu

Rich velvety crimson, center ruby-red, large and double, likes hot weather.

### Lady M. Stewart

Flower is deep sunflower yellow heavily veined and splashed with orange-scarlet. The bud is long and pointed. The fully developed flower is Cadmium orange. Vigorous, hardy, upright.

### Pres. Hoover

New multicolored rose of many shades, cerise-pink, flame scarlet and yellow. Long, beautifully formed buds. This is no ordinary rose.

### Mme. Alex Dreux

Yellow bud, opening to a high centered flower with sharply reflexed petals of deep yellow splashed with orange. Fairly free flowering.

### Imperial Potentate

Deep shining rose-pink shaded lighter on reverse of petals, fragrant.